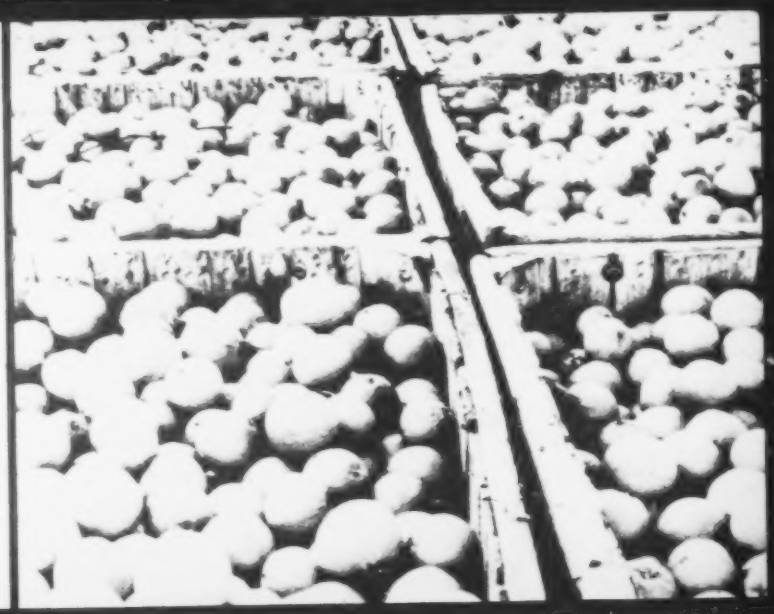
Florida Agricultural Statistics



Citrus Summary 1987–88

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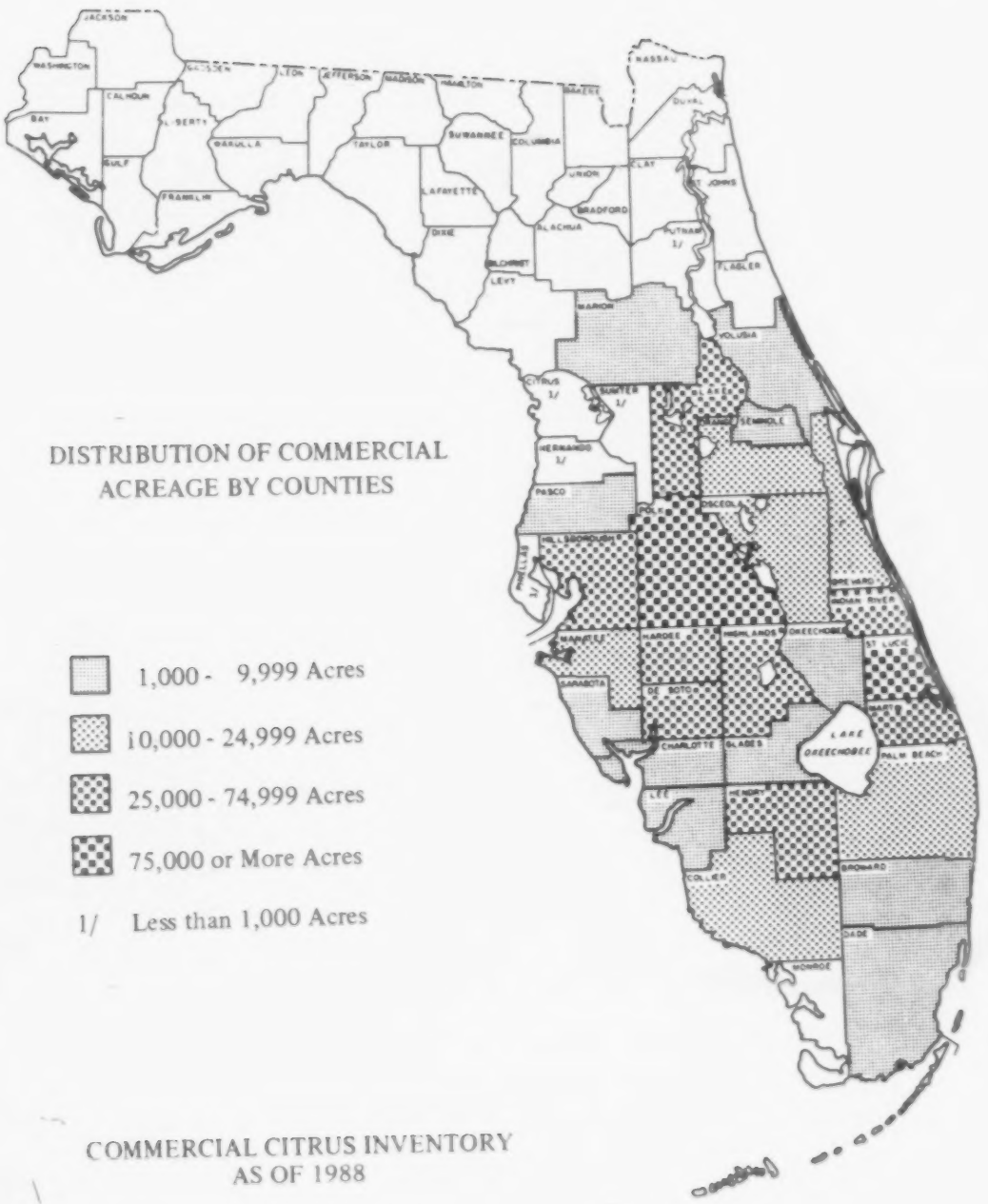
DISTRIBUTION OF COMMERCIAL
ACREAGE BY COUNTIES
1,000 - 9,999 Acres
10,000 - 24,999 Acres
25,000 - 74,999 Acres
75,000 or More Acres
1/ Less than 1,000 Acres
COMMERCIAL CITRUS INVENTORY
AS OF 1988

FLORIDA AGRICULTURAL STATISTICS

Citrus Summary 1987-88

FLORIDA DEPARTMENT OF AGRICULTURE
AND CONSUMER SERVICES
DOYLE CONNER, COMMISSIONER
TALLAHASSEE, FLORIDA

FLORIDA AGRICULTURAL
STATISTICS SERVICE

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DIVISION OF MARKETING

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Cooperating with

U. S. Department of Agriculture
Agricultural Marketing Service
and
National Agricultural Statistics Service

ACKNOWLEDGMENT

The acreage, production, utilization, monthly and season average price, and crop value statistics for Florida as shown in this summary are official estimates of the Florida Agricultural Statistics Service. Corresponding data for other citrus states are from official reports of the USDA, National Agricultural Statistics Service. Canned and frozen pack statistics were compiled by the Florida Citrus Processors Association. Where data are from other sources, appropriate references appear.

Records of the Division of Fruit and Vegetable Inspection, Florida Department of Agriculture and Consumer Services, were used in preparing production and utilization estimates. The Citrus Administrative Committee assisted in assembling these data.

Many producers, shippers, processors, sales agencies, transportation firms, and others associated with the citrus industry voluntarily supplied basic data used to develop these statistics. Their contributions are sincerely appreciated.

This report was assembled under the direction of Robert R. Terry and Candice T. Erick of the Florida Agricultural Statistics Service.

For information call: (407) 648-6015.

Published January 1989

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FLORIDA WEATHER HIGHLIGHTS, SELECTED AREAS AND MONTHS, 1987-88 CROP YEAR

Florida's citrus growing areas experienced very good growing weather throughout the winter of 1986-87 with no freezing weather to cause fruit or tree loss. Rehabilitated trees in the northern and central areas exhibited good growth and bloom was abundant in all areas of the State.

Bloom appeared during the normally expected time, mid-**March** through mid-**April**. By late **April** 1987, weekly rainfall amounts were very low and irrigation was in use throughout all growing areas.

May rainfall amounts were very good and resulted in good fruit set in all areas. Summer rainfall amounts were also very good. By the first of **September**, cumulative amounts were generally above normal levels in the citrus belt.

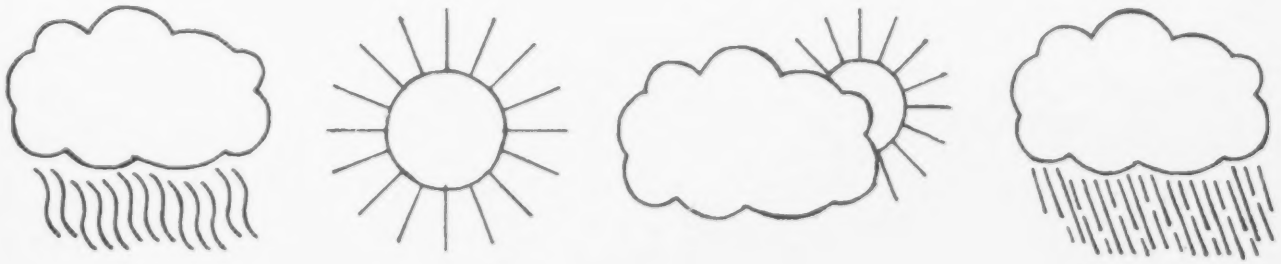
Tropical Storm Floyd moved across the State on **October** 12th but no wind or rain damage to citrus was reported. Rainfall amounts were variable and generally welcome in most areas.

In **November**, another tropical storm moved up the west coast and crossed the State north of the citrus growing areas. Rains up to 7 inches were reported in the south Florida growing areas. Cool temperatures were widespread by midmonth.

Limited showers and above normal temperatures in **December** extended over the citrus belt. By the end of 1987, 19 of 24 reporting stations in the citrus belt reported above normal cumulative rainfall amounts for the year.

January 1988 temperatures were about normal. Frost occurred on several mornings without apparent damage. Although **February** was cold, with below freezing weather on several mornings, no damage was reported.

March and the later spring months were generally warmer than normal with frequent showers to maintain soil moisture.



1987-88 PRODUCTION AND TREE CENSUS

PRODUCTION

Florida's season began with open bloom in most areas by mid-to-late March. There was very little adverse weather to affect growth during the spring and summer.

Total orange production was 138 million boxes, up 15 percent from the previous season's harvest of 119.7 million boxes. This was the highest since the 1982-83 season production of 139.6 million boxes.

Grapefruit production also increased, to 53.85 million boxes from 49.8 million the previous season. This was the highest production since the record high 1979-80 season production of 54.8 million boxes.

Except for limes and lemons, all specialty crops increased in production. Fresh shipments were up for all types.

FCOJ final yield was a record high 1.55342 gallons per box for all oranges with early and midseason oranges yielding 1.48982 and Valencias 1.64573 gallons.

California's orange production at 25,000,000 boxes surpassed the previous season, which was the highest since the 1982-83 season. Grapefruit production at 8.9 million boxes was slightly less than the previous season.

Arizona produced 1,810,000 boxes of oranges in 1987-88 compared to 2,700,000 the previous season. Grapefruit production decreased to 1,500,000 boxes, the lowest level in several seasons.

Texas production of both oranges and grapefruit has steadily increased since the 1984-85 season when freezing temperatures completely destroyed the citrus crop. Oranges increased from 875,000 boxes in 1986-87 to 1,430,000 boxes and grapefruit from 1,925,000 to 3,800,000 boxes in 1987-88.

CITRUS BOX WEIGHTS: Approximate net weight in pounds by fruit type and states

States	Oranges	Grapefruit	Tangerines	Lemons	Limes
Florida	90 1/	85	95	90	88
Calif.	75	65	75	76	--
Texas	85	80	--	--	--
Arizona	75	64	75	76	--

1/ Includes Temples and tangelos at 90 lbs.

TREE CENSUS

The Florida Agricultural Statistics Service first began indexing the State's commercial citrus groves on aerial photography as of January 1966. Ground crews identify all the State's groves by fruit type, row spacing, and year in which set. Photo interpreters in the Orlando office then delineate the groves by variety blocks on photo transparencies at a scale of 1 inch to 660 feet. Variety blocks are measured with planimeters to obtain acreage and then indexed by land section.

The inventory was designed for quick and economical updating. Since 1966, the citrus belt has been resurveyed each second winter (1968 through 1988) to determine changes. Photographing begins in November when weather conditions are most favorable and is generally completed in 80 to 90 days. The same three-mile-wide flight lines established in 1966 are photographed on each succeeding flight. Approximately 14,000 square miles of photography is obtained at a 1 to 30,000 scale.

The last statewide survey was conducted as of January 1988. Through 1987, all types of citrus planted totaled 697,929 acres, up 12 percent from the 624,492 acres planted through January 1986. This is the largest two year increase since the tree census program began in 1966. Increases were highest in lower interior counties. Acreage by counties and types is shown on page 27.

Photography for the next survey will begin in November 1989 and field work will update the acreage records as of January 1990.

FLORIDA, ALL CITRUS: Acres in commercial groves as of January 1966 - 1988, with percent changes

Year	Acres	Percent change from previous survey	Percent change from 1966 survey
1966	858,082	--	--
1968	931,249	+8.5	+8.5
1970	941,471	+1.1	+9.7
1972	878,019	-6.7	+2.3
1974	864,098	-1.6	+0.7
1976	852,369	-1.4	-0.7
1978	831,235	-2.5	-3.1
1980	845,283	+1.7	-1.5
1982	847,856	+0.3	-1.2
1984	761,365	-10.2	-11.3
1986	624,492	-18.0	-27.2
1988	697,929	+11.8	-18.7

1987-88 VALUE OF SALES, PRICES AND EXPORTS

VALUE

The preliminary on-tree value of all citrus for the 1987-88 season is a record high $1.316 billion. This is 40 percent more than the revised 1986-87 season value of $941 million. The previous record season was $1.037 billion in 1979-80.

Preliminary value is based on that part of the crop that was priced at harvest, about 30 percent of the total. When all participation plans and cooperative pools are finalized, a revised value is calculated.

Preliminary orange prices increased to $6.73 per box from a revised $5.22 for the previous season. Fresh prices increased to $7.71 from $6.18 and processing prices to $6.66 from $5.14. Total orange value was a record high $928,519,000, up 49 percent from the revised 1986-87 value of $624,771,000.

Grapefruit prices increased for all types. The preliminary $5.48 for all grapefruit is a record high price. Last season's revised price is $4.98 per box.

Prices for all specialty crops increased from the previous season.

The season average delivered-in price of fruit going into FCOJ as reported by the Florida Citrus Processors Association is $8.60 per box or $1.36 per pound of solids. Early-mids averaged $7.65 per box or $1.26 per pound solids and Valencias averaged $9.93 per box or $1.48 per pound solids.

FLORIDA, ALL CITRUS: Value of sales on-tree, crop years 1978-79 through 1987-88

Crop year	Value 1,000 dol.	Crop year	Value 1,000 dol.
1978-79	966,916	1983-84	849,457
1979-80	1,037,050	1984-85	984,820
1980-81	953,350	1985-86	725,034
1981-82	713,380	1986-87 1/	941,078
1982-83	876,777	1987-88 2/	1,316,471

1/ Revised. 2/ Preliminary.

FOREIGN EXPORTS

Exports of fresh citrus to countries other than Mexico and Canada was a record high 20,891,000 4/5 bushel cartons, up from last season's 15,864,000 cartons. Grapefruit accounted for 20,676,000 of this total with Japan taking about half or 10,942,000 cartons. Orange exports totaled 139,000 cartons; tangerines 14,000; and Temples 62,000.

A total of 8.7 million gallons of FCOJ were exported, up from the previous season's 7.4 million gallons. Canada continues to be the major market. There were 4.5 million gallons of grapefruit concentrate exported, up from 3.4 million gallons the previous year.

PRICES

All on-tree prices represent the average price received by growers for their fruit by types. Prices are based on records of commercial fresh fruit sales and processed fruit returns. The term "on-tree" relates to fruit value before it is picked and hauled from the grove. Each season, beginning with the first month that three percent of a fruit type is harvested, monthly estimates are computed. Reports from fresh fruit sales organizations and from packers provide data for an average f.o.b. price. Processors report an average spot and cash price for fruit delivered to their plants. From these values, an estimated charge for picking, hauling, and packing is deducted to arrive at an on-tree price. The anticipated box utilization for the month is used to combine the fresh and processing price to obtain an average price for all methods of sales. At the end of the season, monthly price averages are computed and weighted by boxes utilized, to provide the preliminary season average price.

A year later, after most processed products are sold, cooperatives and firms with participation plans report prices of fruit they handled. These prices, combined with the spot and cash prices collected earlier, are weighted together, by varieties, to determine the final processing price received by growers. From this price, charges for picking, hauling, and packing, as estimated by University of Florida economists, are deducted to arrive at the final on-tree price received by growers.

COUNTY PRODUCTION

Estimates of citrus production by counties were prepared from objective survey data obtained from the citrus crop estimates program. Production for Florida has been distributed to counties based on the biennial citrus tree census, limb count survey data adjusted for droppage to end of season, and size data at maturity.

Tree numbers by county which are used in the estimates were obtained from the latest tree census. Data on production are obtained from several objective fruit surveys: limb count, size, and droppage samples. Because of the statistical sampling design, counties with higher production in general have a greater number of fruit samples and, therefore, estimates for these counties can be considered more reliable. Thus, for the same reason, estimates for the production areas are more reliable than for individual counties.

FLORIDA CITRUS: Production of all citrus since 1886-87

Crop year	Type of fruit: Oranges	Grapefruit	Other	Total	Crop year	Type of fruit: Oranges	Grapefruit	Other	Total
	1,000 boxes					1,000 boxes			
1886-87	---	---	---	1,260	1937-38	23,900	14,600	2,370	40,870
1887-88	---	---	---	1,450	1938-39	29,900	23,300	3,495	56,695
1888-89	---	---	---	1,950	1939-40	25,350	15,900	2,745	43,995
1889-90	---	---	---	2,150	1940-41	28,200	24,600	3,180	55,980
1890-91	---	---	---	2,450	1941-42	26,800	19,200	2,650	48,650
1891-92	---	---	---	2,713	1942-43	36,650	27,300	4,925	68,875
1892-93	---	---	---	3,450	1943-44	45,500	31,000	4,490	80,990
1893-94	---	---	---	5,055	1944-45	42,230	22,300	4,670	69,200
1894-95	---	---	---	2,808	1945-46	49,000	32,000	5,200	86,200
1895-96	---	---	---	147	1946-47	52,080	26,400	4,790	83,270
1896-97	---	---	---	218	1947-48	57,530	29,300	4,440	91,270
1897-98	---	---	---	359	1948-49	57,380	30,200	5,520	93,100
1898-99	---	---	---	252	1949-50	57,790	24,200	5,970	87,960
1899-00	---	---	---	274	1950-51	66,200	33,200	5,980	105,380
1900-01	---	---	---	353	1951-52	76,900	33,000	6,060	115,960
1901-02	---	---	---	974	1952-53	70,500	32,500	6,920	109,920
1902-03	---	---	---	1,147	1953-54	89,100	40,700	7,070	136,870
1903-04	---	---	---	1,955	1954-55	85,900	34,800	7,998	128,698
1904-05	---	---	---	2,961	1955-56	88,200	38,300	7,935	134,435
1905-06	---	---	---	3,794	1956-57	90,300	37,400	8,020	135,720
1906-07	---	---	---	3,801	1957-58	81,000	31,100	4,300	116,400
1907-08	---	---	---	3,250	1958-59	83,000	35,200	7,800	126,000
1908-09	---	---	---	4,634	1959-60	87,600	30,500	7,470	125,570
1909-10	5,300	1,100	---	6,400	1960-61	82,700	31,600	9,940	124,240
1910-11	3,600	1,200	---	4,800	1961-62	108,800	34,800	10,210	153,810
1911-12	3,950	1,150	---	5,100	1962-63	72,500	30,000	5,250	107,750
1912-13	6,700	2,000	---	8,700	1963-64	54,900	26,300	8,620	89,820
1913-14	6,200	2,200	---	8,400	1964-65	82,400	31,900	9,350	123,650
1914-15	8,000	2,400	---	10,400	1965-66	95,900	34,900	10,190	140,990
1915-16	6,500	2,400	---	8,900	1966-67	139,500	43,600	11,895	194,995
1916-17	5,700	2,500	---	8,200	1967-68	100,500	32,900	10,880	144,280
1917-18	4,000	2,000	---	6,000	1968-69	129,700	39,900	12,470	182,070
1918-19	6,000	3,500	---	9,500	1969-70	137,700	37,400	13,915	189,015
1919-20	7,550	5,900	478	13,928	1970-71	142,300	42,900	14,450	199,650
1920-21	8,700	5,800	726	15,226	1971-72	137,000	47,000	16,480	200,480
1921-22	7,850	6,700	583	15,133	1972-73	169,700	45,400	15,450	230,550
1922-23	10,150	7,800	785	18,735	1973-74	165,800	48,100	16,350	230,250
1923-24	13,150	8,500	590	22,240	1974-75	173,300	44,600	17,830	235,730
1924-25	10,400	8,900	936	20,236	1975-76	181,200	49,100	19,180	249,480
1925-26	9,500	7,600	730	17,830	1976-77	186,800	51,500	16,200	254,500
1926-27	10,100	8,600	912	19,612	1977-78	167,800	51,400	16,270	235,470
1927-28	8,650	7,500	850	17,000	1978-79	164,000	50,000	16,190	230,190
1928-29	15,000	11,300	1,506	27,806	1979-80	206,700	54,800	22,050	283,550
1929-30	8,950	8,300	858	18,108	1980-81	172,400	50,300	15,880	238,580
1930-31	16,800	15,800	2,408	35,008	1981-82	125,800	48,100	15,310	189,210
1931-32	12,200	10,700	2,009	24,909	1982-83	139,600	39,400	14,600	193,600
1932-33	14,500	11,600	1,910	28,010	1983-84	116,700	40,900	12,005	169,605
1933-34	15,900	10,900	2,012	28,812	1984-85	103,900	44,000	11,005	158,905
1934-35	15,600	15,200	2,015	32,815	1985-86	119,200	46,750	10,065	176,015
1935-36	15,900	11,500	2,112	29,512	1986-87	119,700	49,800	12,030	181,530
1936-37	19,100	18,100	3,045	40,245	1987-88	138,000	53,850	12,250	204,100

Source: See page 45, Data Sources, item 2.

History of Florida's Citrus Industry

The citrus tree is a native of the Orient. From there it was carried ever westward by man, to India, to the Mediterranean and on across the Atlantic. Citrus was brought to the Americas by Columbus. When he landed on November 22, 1493, he brought citrus seeds that were planted on the island of Haiti. The first seeds planted on the mainland of the Americas were brought by the expedition of Juan de Grijalva when he landed in Central America between July 12 and July 20, 1518. The exact date of the introduction of citrus trees into Florida is not known, but from a statement made by Pedro Medendez, dated April 2, 1579, it appears that citrus fruits were grown in abundance around St. Augustine at that time. Early settlers in Florida some two centuries later found wild citrus trees scattered over the State. One of the oldest, cultivated groves planted in Florida (Hume, 1926 p.95) is thought to have been the Don Phillipe grove in Pinellas County, planted sometime between 1809 and 1820.

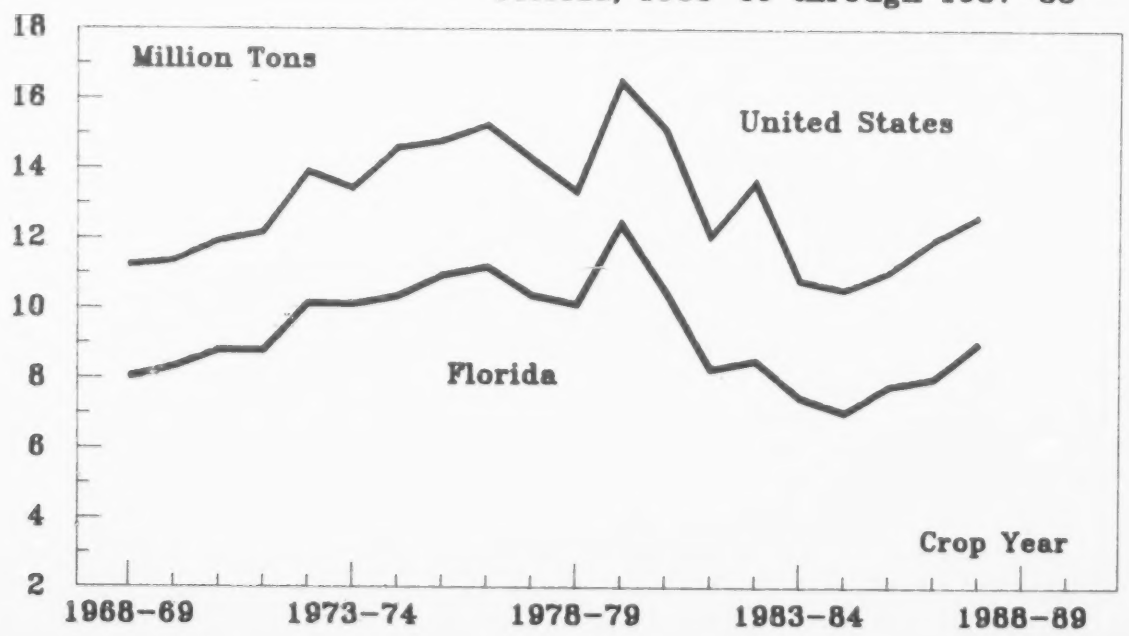
Citrus production in Florida had reached an all time high of more than 5 million boxes when the Great Freeze of 1894-95 almost totally wiped out the citrus industry. It was not until 1909-10 that this level was reached again. Since that time the volume steadily increased. In 1987-88, Florida had 71.4 percent of the Nation's production.

PRINCIPAL CITRUS FRUITS: Bearing acreage and production, by states, crop years 1968-69 through 1987-88

Crop year	Florida		California		Texas		Arizona		United States	
	Bearing acreage	Prod 1/	Bearing acreage	Prod	Bearing acreage	Prod	Bearing acreage	Prod	Bearing acreage	Prod
	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons
1968-69	746.1	8,008	213.5	2,316	80.8	471	34.2	421	1,074.6	11,216
1969-70	817.1	8,306	197.2	2,130	75.9	513	32.2	399	1,122.4	11,348
1970-71	849.4	8,786	203.0	2,100	79.0	683	37.0	350	1,168.5	11,919
1971-72	824.2	8,760	213.1	2,371	80.1	629	40.4	403	1,157.8	12,163
1972-73	820.2	10,124	221.9	2,498	70.0	803	50.8	469	1,162.9	13,894
1973-74	817.3	10,088	269.1	2,285	67.5	709	52.7	330	1,206.6	13,412
1974-75	812.7	10,337	272.7	3,191	64.1	485	55.6	573	1,205.1	14,586
1975-76	796.2	10,943	272.1	2,842	64.1	687	61.2	316	1,193.6	14,788
1976-77	794.9	11,179	267.4	2,816	63.9	789	58.5	458	1,184.7	15,242
1977-78	756.4	10,349	264.6	2,695	68.4	736	52.6	475	1,142.0	14,255
1978-79	751.5	10,101	265.7	2,189	67.6	632	45.8	407	1,130.6	13,329
1979-80	758.4	12,418	265.3	3,208	71.7	487	47.7	371	1,143.1	16,484
1980-81	753.8	10,470	265.6	3,703	66.8	452	43.7	480	1,129.9	15,105
1981-82	740.3	8,249	264.4	2,541	64.8	808	46.7	459	1,116.1	12,057
1982-83	715.5	8,513	259.9	3,945	66.2	689	42.4	461	1,084.0	13,608
1983-84	634.3	7,439	259.6	2,783	67.5	235	41.2	335	1,002.6	10,792
1984-85	575.9	7,013	254.4	3,069	30.5	0	38.4	443	899.2	10,525
1985-86	507.8	7,785	252.9	2,930	21.8	23	36.5	313	819.0	11,051
1986-87	514.5	8,009	251.2	3,377	21.8	115	37.4	467	824.9	11,968
1987-88	523.1	9,020	249.7	3,136	23.1	213	36.5	272	832.4	12,641

1/ Does not include lemons or K-Early Citrus Fruit. Honey tangerines not included prior to 1984-85.

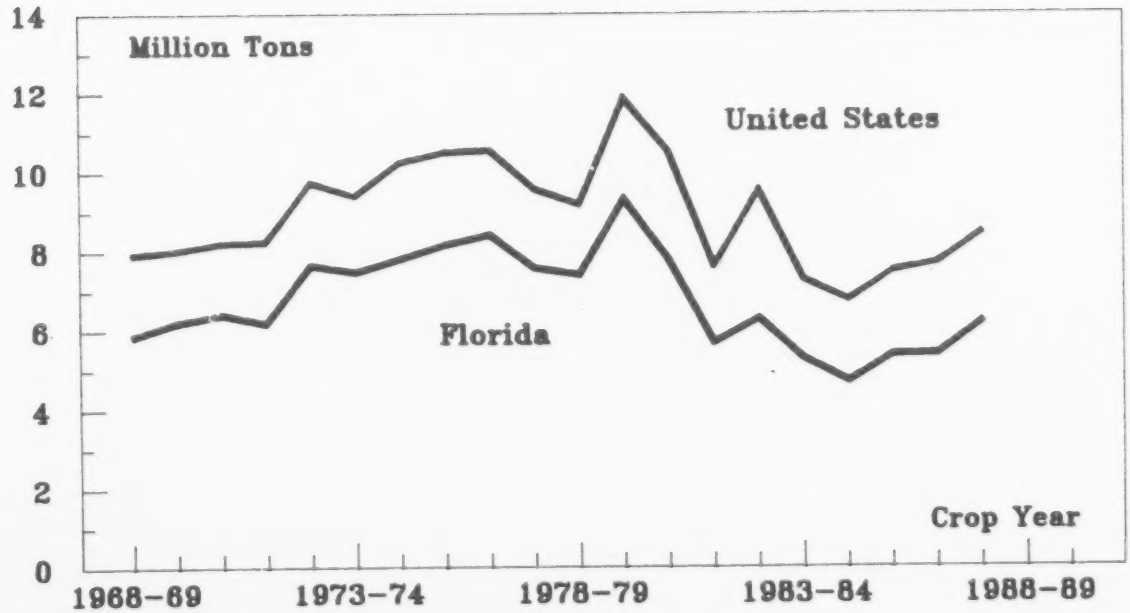
PRINCIPAL CITRUS FRUITS: Production for the United States and Florida, 1968-69 through 1987-88



ORANGES: Bearing acreage and production, by states, crop years 1968-69 through 1987-88

Crop year	Florida		California		Texas		Arizona		United States	
	Bearing acreage	Prod	Bearing acreage	Prod	Bearing acreage	Prod	Bearing acreage	Prod	Bearing acreage	Prod
	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons
1968-69	595.6	5,836	150.5	1,661	35.0	203	19.3	202	800.4	7,902
1969-70	636.1	6,197	160.2	1,463	35.0	189	15.5	174	846.8	8,023
1970-71	660.5	6,402	167.9	1,406	40.5	263	18.1	134	887.0	8,205
1971-72	624.2	6,165	180.4	1,627	42.5	261	19.5	184	866.6	8,237
1972-73	619.6	7,636	188.8	1,579	35.0	332	24.5	190	867.9	9,737
1973-74	614.6	7,461	196.0	1,516	32.5	281	24.4	128	867.5	9,386
1974-75	610.4	7,799	196.9	2,063	30.9	193	24.1	186	862.3	10,241
1975-76	596.4	8,154	197.7	1,980	30.9	259	23.0	100	848.0	10,493
1976-77	594.3	8,406	192.5	1,699	28.2	293	21.0	148	836.0	10,546
1977-78	579.0	7,551	188.6	1,599	28.4	260	16.8	136	812.8	9,546
1978-79	571.5	7,380	187.1	1,399	27.8	272	14.8	109	801.2	9,160
1979-80	576.6	9,302	185.7	2,228	28.0	171	15.7	131	806.0	11,832
1980-81	573.4	7,758	182.7	2,447	25.3	184	13.2	98	794.6	10,487
1981-82	560.2	5,661	179.7	1,572	23.7	252	13.5	115	777.1	7,600
1982-83	536.8	6,282	177.4	2,854	24.0	241	12.6	142	750.8	9,519
1983-84	474.3	5,252	177.5	1,819	24.3	107	12.6	68	688.7	7,246
1984-85	420.1	4,676	175.2	1,966	11.4	0	10.9	92	617.6	6,734
1985-86	367.6	5,364	174.7	2,022	8.3	14	11.0	87	561.6	7,487
1986-87	375.4	5,387	173.0	2,172	8.3	37	10.9	101	567.6	7,697
1987-88	382.9	6,210	172.0	2,118	9.1	61	10.6	68	574.6	8,457

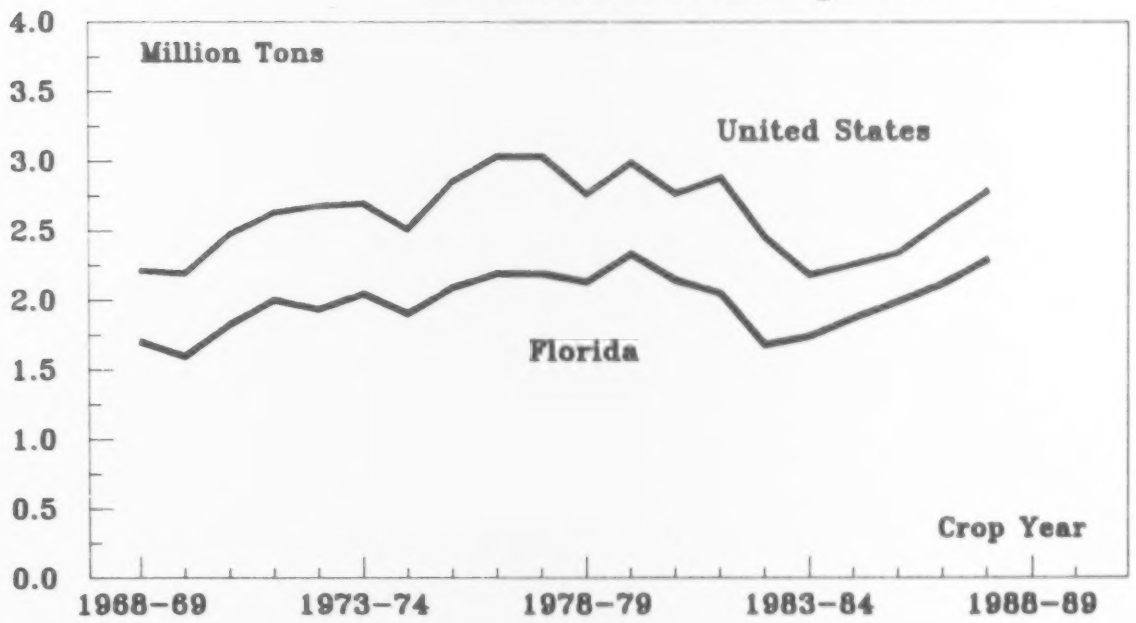
ORANGES: Production for the United States and Florida, 1968-69 through 1987-88



GRAPEFRUIT: Bearing acreage and production, by states, crop years 1968-69 through 1987-88

Crop year	Florida		Texas		California		Arizona		United States	
	Bearing acreage	Prod	Bearing acreage	Prod	Bearing acreage	Prod	Bearing acreage	Prod	Bearing acreage	Prod
	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons
1968-69	90.3	1,697	45.0	268	12.7	164	4.9	80	152.9	2,209
1969-70	98.7	1,590	40.0	324	12.8	171	6.1	101	157.6	2,186
1970-71	107.2	1,824	37.6	404	12.1	164	6.3	81	163.2	2,473
1971-72	112.6	1,999	35.0	368	12.6	179	6.4	81	166.6	2,627
1972-73	114.6	1,930	35.0	472	13.1	189	8.0	85	170.7	2,676
1973-74	115.8	2,044	35.0	428	14.3	154	8.2	66	173.3	2,692
1974-75	115.4	1,897	33.1	292	15.8	226	9.3	89	173.6	2,504
1975-76	117.9	2,088	33.1	428	16.4	234	9.6	100	177.0	2,850
1976-77	119.3	2,190	35.1	496	16.6	250	10.2	96	181.2	3,032
1977-78	120.3	2,184	40.1	476	17.4	274	10.8	96	188.6	3,030
1978-79	124.6	2,125	39.8	360	19.5	200	8.9	72	192.8	2,757
1979-80	126.4	2,329	43.8	316	21.3	245	8.4	96	199.9	2,986
1980-81	125.6	2,138	41.5	268	21.8	263	8.1	90	197.0	2,759
1981-82	127.8	2,044	41.1	556	22.0	201	8.1	77	199.0	2,878
1982-83	128.6	1,674	42.2	448	21.7	238	6.8	87	199.3	2,447
1983-84	119.6	1,738	43.2	128	21.9	237	6.8	73	191.5	2,176
1984-85	115.5	1,870	19.1	0	21.1	289	7.1	96	162.8	2,255
1985-86	105.1	1,987	13.5	9	20.9	266	5.7	77	145.2	2,339
1986-87	106.0	2,116	13.5	77	20.7	305	5.9	70	146.1	2,568
1987-88	106.8	2,289	14.0	152	20.6	292	6.0	48	147.4	2,781

GRAPEFRUIT: Production for the United States and Florida, 1968-69 through 1987-88



FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1968-69 through 1987-88 1/

Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree	
			Total	Fresh	Processed	Price per box	Value of production
	1,000 acres	Boxes	1,000 boxes			Dollars	1,000 dollars
All round oranges							
1968-69	595.6	218	129,700	13,304	116,396	1.68	218,660
1969-70	636.1	216	137,700	13,263	124,437	1.14	156,876
1970-71	660.5	215	142,300	13,962	128,338	1.46	208,146
1971-72	624.2	219	137,000	11,233	125,767	2.04	280,317
1972-73	619.6	274	169,700	12,223	157,477	1.56	265,361
1973-74	614.6	270	165,800	11,090	154,710	1.47	244,691
1974-75	610.4	284	173,300	13,393	159,907	1.62	280,350
1975-76	596.4	304	181,200	11,730	169,470	1.77	321,449
1976-77	594.3	314	186,800	8,878	177,922	2.17	405,982
1977-78	579.0	290	167,800	9,966	157,834	4.14	693,677
1978-79	571.5	287	164,000	11,701	152,299	4.66	764,961
1979-80	576.6	358	206,700	10,990	195,710	3.72	768,877
1980-81	573.4	301	172,400	8,276	164,124	4.04	697,231
1981-82	560.2	225	125,800	7,620	118,180	4.28	538,686
1982-83	536.8	260	139,600	10,320	129,280	5.15	718,420
1983-84	474.3	246	116,700	7,640	109,060	5.75	670,618
1984-85	420.1	247	103,900	6,652	97,248	7.10	737,923
1985-86	367.6	324	119,200	8,960	110,240	3.94	469,959
1986-87	375.4	319	119,700	8,870	110,830	5.22	624,771
1987-88	382.9	360	138,000	9,520	128,480	6.73	928,519
Early and midseason oranges							
1968-69	306.8	227	69,700	7,867	61,833	1.56	108,922
1969-70	332.3	219	72,900	7,491	65,409	1.15	83,691
1970-71	348.3	236	82,100	8,198	73,902	1.10	90,141
1971-72	323.2	213	68,800	6,024	62,776	1.98	136,107
1972-73	320.3	281	90,000	6,681	83,319	1.43	128,873
1973-74	316.3	291	92,100	6,110	85,990	1.38	127,438
1974-75	314.8	307	96,600	7,402	89,198	1.46	140,792
1975-76	308.4	320	98,800	6,485	92,315	1.69	166,911
1976-77	306.9	375	115,000	6,131	108,869	1.89	216,967
1977-78	299.0	295	88,300	5,750	82,550	3.90	344,268
1978-79	295.5	308	91,000	6,325	84,675	4.44	403,767
1979-80	298.9	394	117,900	6,476	111,424	3.59	423,324
1980-81	297.2	355	105,600	5,788	99,812	3.67	387,714
1981-82	289.6	256	74,000	4,929	69,071	4.27	316,316
1982-83	277.8	253	70,200	6,067	64,133	4.88	342,914
1983-84	237.3	294	69,700	4,939	64,761	5.09	354,800
1984-85	198.3	277	55,000	4,418	50,582	7.30	401,369
1985-86	182.3	352	64,200	5,121	59,079	3.92	251,366
1986-87	189.1	348	65,800	5,267	60,533	4.56	300,290
1987-88	197.2	398	78,500	5,870	72,630	5.85	459,608

1/ 1987-88 preliminary.

FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1968-69 through 1987-88 1/

Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree	
			Total	Fresh	Processed	Price per box	Value of production
	1,000 acres	Boxes	1,000 boxes			Dollars	1,000 dollars
Late (Valencia) oranges							
1968-69	288.8	208	60,000	5,437	54,563	1.83	109,738
1969-70	303.8	213	64,800	5,772	59,028	1.13	73,185
1970-71	312.2	193	60,200	5,764	54,436	1.91	118,025
1971-72	301.0	227	68,200	5,209	62,991	2.11	144,210
1972-73	299.3	266	79,700	5,542	74,158	1.71	136,488
1973-74	298.3	247	73,700	4,980	68,720	1.59	117,253
1974-75	295.6	259	76,700	5,991	70,709	1.82	139,558
1975-76	288.0	286	82,400	5,245	77,155	1.88	154,538
1976-77	287.4	250	71,800	2,747	69,053	2.63	189,015
1977-78	280.0	284	79,500	4,216	75,284	4.40	349,409
1978-79	276.0	264	73,000	5,376	67,624	4.95	361,194
1979-80	277.7	320	88,800	4,514	84,286	3.89	345,553
1980-81	276.2	242	66,800	2,488	64,312	4.63	309,517
1981-82	270.6	191	51,800	2,691	49,109	4.29	222,370
1982-83	259.0	268	69,400	4,253	65,147	5.41	375,506
1983-84	237.0	198	47,000	2,701	44,299	6.72	315,818
1984-85	221.8	220	48,900	2,234	46,666	6.88	336,554
1985-86	185.3	297	55,000	3,839	51,161	3.97	218,593
1986-87	186.3	289	53,900	3,603	50,297	6.02	324,481
1987-88	185.7	320	59,500	3,650	55,850	7.88	468,911
Temples							
1968-69	19.7	228	4,500	2,103	2,397	2.22	9,992
1969-70	21.8	239	5,200	2,823	2,377	1.47	7,631
1970-71	23.0	217	5,000	2,232	2,768	1.91	9,529
1971-72	22.4	237	5,300	1,783	3,517	1.95	10,358
1972-73	22.3	229	5,100	2,445	2,655	1.95	9,959
1973-74	21.9	242	5,300	1,925	3,375	1.64	8,669
1974-75	21.9	242	5,300	1,908	3,392	1.68	8,893
1975-76	20.5	268	5,500	2,329	3,171	1.79	9,870
1976-77	20.3	187	3,800	1,184	2,616	2.16	8,189
1977-78	18.9	259	4,900	2,049	2,851	3.92	19,226
1978-79	18.3	257	4,700	2,135	2,565	4.89	22,968
1979-80	18.2	330	6,000	2,784	3,216	2.89	17,356
1980-81	17.7	203	3,600	1,107	2,493	4.21	15,170
1981-82	16.8	190	3,200	838	2,362	4.01	12,824
1982-83	15.8	297	4,700	1,563	3,137	3.99	18,735
1983-84	13.5	215	2,900	762	2,138	5.34	15,476
1984-85	12.2	266	3,250	626	2,624	5.59	18,162
1985-86	10.0	295	2,950	913	2,037	3.01	8,870
1986-87	9.4	362	3,400	1,053	2,347	3.60	12,236
1987-88	9.5	374	3,550	1,292	2,258	5.07	17,999

1/ 1987-88 preliminary.

FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1968-69 through 1987-88 1/

Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree	
			Total	Fresh	Processed	Price per box	Value of production
	1,000 acres	Boxes	1,000 boxes			Dollars	1,000 dollars
All grapefruit							
1968-69	90.3	442	39,900	14,067	25,833	.98	39,011
1969-70	98.7	379	37,400	14,262	23,138	1.70	63,526
1970-71	107.2	400	42,900	14,960	27,940	1.91	81,514
1971-72	112.6	417	47,000	17,039	29,961	2.32	108,991
1972-73	114.6	396	45,400	17,046	28,354	2.08	94,635
1973-74	115.8	415	48,100	18,731	29,369	1.66	79,879
1974-75	115.4	386	44,600	18,797	25,806	1.72	76,367
1975-76	117.9	416	49,100	20,369	28,731	1.47	72,155
1976-77	119.3	432	51,500	16,393	35,107	1.58	81,116
1977-78	120.3	427	51,400	18,038	33,362	1.64	84,438
1978-79	124.6	401	50,000	19,790	30,210	2.41	120,128
1979-80	126.4	434	54,800	19,501	35,299	3.31	181,208
1980-81	125.6	400	50,300	17,167	33,133	3.60	181,155
1981-82	127.8	376	48,100	16,719	31,381	2.09	100,597
1982-83	128.6	306	39,400	18,313	21,087	1.96	77,221
1983-84	119.6	342	40,900	16,661	24,239	2.72	111,158
1984-85	115.5	381	44,000	14,988	29,012	3.67	161,356
1985-86	105.1	445	46,750	19,620	27,130	4.09	191,068
1986-87	106.0	470	49,800	20,938	28,862	4.98	248,120
1987-88	106.8	504	53,850	23,110	30,740	5.48	295,133
Seedy grapefruit							
1968-69	25.1	486	12,200	812	11,388	.81	9,897
1969-70	25.1	378	9,500	559	8,941	1.42	13,485
1970-71	25.2	468	11,800	479	11,321	1.68	19,781
1971-72	24.5	445	10,900	285	10,615	2.01	21,931
1972-73	24.3	420	10,200	281	9,919	1.63	16,672
1973-74	23.6	424	10,000	138	9,862	1.31	13,117
1974-75	23.3	309	7,200	147	7,053	.87	6,270
1975-76	22.6	345	7,800	109	7,691	.85	6,668
1976-77	22.5	404	9,100	64	9,036	1.20	10,920
1977-78	21.0	400	8,400	85	8,315	1.45	12,180
1978-79	21.3	343	7,300	71	7,229	1.84	13,432
1979-80	20.0	395	7,900	106	7,794	3.04	24,016
1980-81	19.6	372	7,300	69	7,231	2.92	21,316
1981-82	19.3	311	6,000	2/	6,000	1.13	6,780
1982-83	19.0	253	4,800	2/	4,800	.70	3,360
1983-84	15.3	295	4,500	2/	4,500	2.01	9,045
1984-85	12.7	228	2,900	2/	2,900	2.58	7,482
1985-86	10.3	306	3,150	2/	3,150	3.27	10,301
1986-87	9.5	305	2,900	2/	2,900	4.27	12,383
1987-88	8.2	335	2,750	2/	2,750	4.89	13,448

1/ 1987-88 preliminary. 2/ Fresh sales insignificant, included in processed.

FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1968-69 through 1987-88 1/

Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree	
			Total	Fresh	Processed	Price per box	Value of production
	1,000 acres	Boxes	1,000 boxes			Dollars	1,000 dollars
White seedless grapefruit							
1968-69	40.3	422	17,000	6,611	10,389	.98	16,801
1969-70	47.2	375	17,700	7,016	10,684	1.72	30,429
1970-71	54.0	374	20,200	7,452	12,748	1.89	38,302
1971-72	59.0	403	23,800	8,938	14,862	2.27	54,040
1972-73	60.3	390	23,500	9,507	13,993	2.06	48,364
1973-74	61.3	423	25,900	10,748	15,152	1.58	40,919
1974-75	61.1	424	25,900	11,008	14,892	1.55	40,282
1975-76	63.3	447	28,300	11,315	16,985	1.29	36,557
1976-77	63.6	470	29,900	9,805	20,095	1.49	44,690
1977-78	64.2	447	28,700	9,026	19,674	1.47	42,323
1978-79	66.0	445	29,400	10,179	19,221	2.21	65,021
1979-80	66.9	465	31,100	8,900	22,200	3.12	97,086
1980-81	66.6	426	28,400	8,195	20,205	3.46	98,285
1981-82	65.8	415	27,300	8,329	18,971	1.92	52,370
1982-83	65.4	333	21,800	9,045	12,755	1.51	32,941
1983-84	60.5	380	23,000	7,642	15,358	2.08	47,885
1984-85	58.2	426	24,800	5,350	19,450	3.02	74,956
1985-86	53.4	479	25,600	6,735	18,865	3.56	91,107
1986-87	53.0	508	26,900	7,086	19,814	4.45	119,693
1987-88	52.3	558	29,200	8,020	21,180	5.29	154,483
Colored seedless grapefruit							
1968-69	24.9	430	10,700	6,644	4,056	1.15	12,313
1969-70	26.4	386	10,200	6,687	3,513	1.92	19,612
1970-71	28.0	389	10,900	7,029	3,871	2.15	23,431
1971-72	29.1	423	12,300	7,816	4,484	2.69	32,020
1972-73	30.0	390	11,700	7,258	4,442	2.53	29,599
1973-74	30.9	395	12,200	7,845	4,355	2.12	25,843
1974-75	31.0	371	11,500	7,642	3,858	2.59	29,815
1975-76	32.0	406	13,000	8,945	4,055	2.23	28,930
1976-77	33.2	377	12,500	6,524	5,976	2.04	25,506
1977-78	35.1	407	14,300	8,927	5,373	2.09	29,935
1978-79	37.3	357	13,300	9,540	3,760	3.13	41,675
1979-80	39.5	400	15,800	10,495	5,305	3.80	60,106
1980-81	39.4	371	14,600	8,903	5,697	4.22	61,554
1981-82	42.7	347	14,800	8,390	6,410	2.80	41,447
1982-83	44.2	290	12,800	9,268	3,532	3.20	40,920
1983-84	43.8	306	13,400	9,019	4,381	4.05	54,228
1984-85	44.6	365	16,300	9,638	6,662	4.84	78,918
1985-86	41.4	435	18,000	12,885	5,115	4.98	89,660
1986-87	43.5	460	20,000	13,852	6,148	5.80	116,044
1987-88	46.3	473	21,900	15,090	6,810	5.81	127,202

1/ 1987-88 preliminary.

FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1968-69 through 1987-88 1/

Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree	
			Total	Fresh	Processed	Price per box	Value of production
	1,000 acres	Boxes	1,000 boxes			Dollars	1,000 dollars
Tangelos							
1968-69	13.2	136	1,800	1,214	586	2.47	4,450
1969-70	18.1	138	2,500	1,397	1,103	1.13	2,828
1970-71	21.4	126	2,700	1,607	1,093	1.04	2,816
1971-72	20.0	180	3,600	1,718	1,882	1.69	6,091
1972-73	19.2	161	3,100	1,433	1,667	1.39	4,320
1973-74	18.8	197	3,700	1,596	2,104	1.25	4,631
1974-75	18.9	249	4,700	2,363	2,337	1.45	6,833
1975-76	18.6	296	5,500	2,245	3,255	1.42	7,806
1976-77	18.4	261	4,800	2,295	2,505	1.42	6,814
1977-78	17.9	274	4,900	1,987	2,913	3.29	16,144
1978-79	17.1	246	4,200	1,721	2,479	3.90	16,360
1979-80	17.3	370	6,400	1,807	4,593	2.87	18,351
1980-81	16.8	292	4,900	2,056	2,844	3.92	19,226
1981-82	16.1	317	5,100	1,780	3,320	3.58	18,264
1982-83	15.6	244	3,800	1,878	1,922	4.37	16,596
1983-84	12.3	293	3,600	1,596	2,004	4.28	15,395
1984-85	10.1	356	3,600	1,468	2,132	7.08	25,501
1985-86	9.5	311	2,950	1,338	1,612	4.06	11,980
1986-87	9.5	421	4,000	1,310	2,690	3.72	14,891
1987-88	9.3	452	4,200	1,395	2,805	5.35	22,467
All Tangerines 2/							
1968-69	16.1	211	3,400	2,327	1,073	2.55	8,685
1969-70	18.6	161	3,000	2,383	617	2.23	6,697
1970-71	20.0	185	3,700	2,661	1,039	1.88	6,970
1971-72	19.3	166	3,200	2,228	972	2.97	9,497
1972-73	19.4	155	3,000	2,018	982	2.37	7,123
1973-74	19.1	147	2,800	2,055	745	2.82	7,885
1974-75	19.4	160	3,100	2,211	889	3.05	9,463
1975-76	18.0	189	3,400	2,362	1,038	3.02	10,251
1976-77	17.9	184	3,300	2,317	983	3.29	10,855
1977-78	16.5	194	3,200	1,901	1,299	4.79	15,339
1978-79	15.9	220	3,500	1,891	1,609	4.99	17,465
1979-80	15.2	257	3,900	2,339	1,561	4.25	16,594
1980-81	15.0	200	3,000	1,905	1,095	5.45	16,361
1981-82	13.0	192	2,500	1,591	909	6.23	15,563
1982-83	11.4	197	2,250	1,490	760	7.57	17,041
1983-84	7.6	264	2,000	1,404	596	5.93	11,866
1984-85	11.3	163	1,840	945	895	13.66	25,127
1985-86	8.8	222	1,950	1,189	761	11.55	22,515
1986-87	7.5	312	2,340	1,462	878	10.32	25,563
1987-88	7.6	322	2,450	1,614	836	12.77	31,294

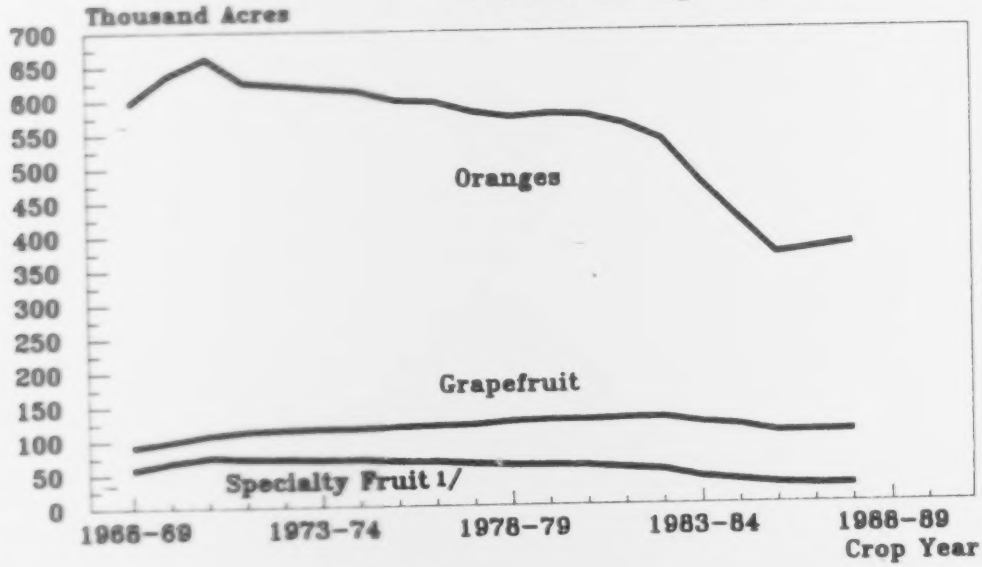
1/ 1987-88 preliminary. 2/ Honey tangerines not included prior to 1984-85.

FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1968-69 through 1987-88 1/

Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree price per box	On-tree value of production
			Total	Fresh	Processed		
	1,000 acres	Boxes	1,000 boxes			Dollars	1,000 dollars
Limes							
1968-69	3.8	184	700	380	320	2.91	2,040
1969-70	3.9	186	725	374	351	4.11	2,983
1970-71	4.3	205	880	395	485	3.10	2,725
1971-72	4.5	244	1,100	474	626	3.89	4,279
1972-73	4.5	244	1,100	517	583	4.25	4,670
1973-74	4.4	239	1,050	479	571	5.10	5,351
1974-75	4.4	250	1,100	493	607	5.35	5,889
1975-76	4.4	245	1,080	586	494	6.70	7,235
1976-77	4.5	222	1,000	514	486	8.60	8,596
1977-78	3.8	121	460	340	120	15.72	7,229
1978-79	4.1	176	720	481	239	12.44	8,948
1979-80	4.7	234	1,100	622	478	8.18	8,996
1980-81	5.3	226	1,200	697	503	6.58	7,891
1981-82	6.4	203	1,300	625	675	7.88	10,238
1982-83	7.3	233	1,700	975	725	8.39	14,262
1983-84	7.0	206	1,440	825	615	7.46	10,736
1984-85	6.7	245	1,640	1,025	615	7.27	11,927
1985-86	6.8	254	1,725	880	845	7.94	13,692
1986-87	6.7	216	1,450	850	600	8.57	12,424
1987-88	7.0	186	1,300	860	440	12.69	16,493

1/ 1987-88 preliminary.

FLORIDA CITRUS: Bearing Acreage by types, 1968-69 through 1987-88



1/ Temples, tangelos, and tangerines.

CITRUS FRUITS: Utilization, season average on-tree price, and value by types, by states, crop years 1982-83 through 1987-88 1/

Crop year	Utilization of production: Fresh	Proc	Total	Price per box: Fresh	Proc	Total	Value of production: Fresh	Proc	Total
	1,000 boxes			Dollars per box			1,000 dollars		
United States oranges									
1982-83	59,455	165,725	225,180	4.65	3.98	4.15	275,767	658,804	934,571
1983-84	48,090	121,420	169,510	8.39	4.98	5.95	403,565	604,464	1,008,029
1984-85	48,982	109,768	158,750	10.14	6.19	7.41	496,610	679,374	1,175,984
1985-86	54,710	121,000	175,710	6.38	3.43	4.27	350,408	406,569	756,977
1986-87	53,315	127,860	181,175	7.98	4.45	5.40	428,099	553,023	981,122
1987-88	54,616	143,124	197,740	8.51	6.09	6.70	465,874	856,657	1,322,531
Florida oranges									
1982-83	10,320	129,280	139,600	5.94	5.08	5.15	61,273	657,147	718,420
1983-84	7,640	109,060	116,700	7.75	5.61	5.75	59,245	611,373	670,618
1984-85	6,652	97,248	103,900	11.11	6.83	7.10	73,911	664,012	737,923
1985-86	8,960	110,240	119,200	5.33	3.83	3.94	47,746	422,213	469,959
1986-87	8,870	110,830	119,700	6.18	5.14	5.22	54,828	569,943	624,771
1987-88	9,520	128,480	138,000	7.71	6.66	6.73	73,368	855,151	928,519
California oranges									
1982-83	43,250	32,850	76,100	4.37	- .16	2.42	189,097	- 5,186	183,911
1983-84	37,550	10,950	48,500	8.73	- .90	6.55	327,701	- 9,886	317,815
1984-85	40,400	12,000	52,400	10.01	1.23	8.00	404,262	14,724	418,986
1985-86	43,600	10,300	53,900	6.60	-1.46	5.06	287,620	-15,068	272,552
1986-87	41,700	16,200	57,900	8.50	-1.03	5.83	354,468	-16,704	337,764
1987-88	42,400	14,100	56,500	8.74	.06	6.57	370,566	846	371,412
Texas oranges									
1982-83	3,340	2,340	5,680	4.16	2.93	3.65	13,894	6,856	20,750
1983-84	1,390	1,120	2,510	4.10	2.70	3.48	5,699	3,024	8,723
1984-85	0	0	0	0	0	0	0	0	0
1985-86	290	20	310	9.30	4.00	8.95	2,696	80	2,776
1986-87	785	90	875	7.85	2.47	7.29	6,159	222	6,381
1987-88	1,276	154	1,430	8.15	3.27	7.62	10,394	503	10,897
Arizona oranges									
1982-83	2,545	1,255	3,800	4.52	- .01	3.02	11,503	- 13	11,490
1983-84	1,510	290	1,800	7.23	- .16	6.04	10,920	- 47	10,873
1984-85	1,930	520	2,450	9.55	1.23	7.79	18,437	638	19,075
1985-86	1,860	440	2,300	6.64	-1.49	5.08	12,346	-656	11,690
1986-87	1,960	740	2,700	6.45	- .59	4.52	12,644	-438	12,206
1987-88	1,420	390	1,810	8.13	.40	6.47	11,546	157	11,703

1/ 1987-88 preliminary.

CITRUS FRUITS: Utilization, season average on-tree price, and value by types, by states, crop years 1983-84 through 1987-88 1/

Crop year	Utilization of production: Fresh	Proc	Total	Price per box: Fresh	Proc	Total	Value of production: Fresh	Proc	Total
	1,000 boxes			Dollars per box			1,000 dollars		
Florida early (including Navels) and midseason oranges									
1983-84	4,939	64,761	69,700	6.80	4.96	5.09	33,585	321,215	354,800
1984-85	4,418	50,582	55,000	11.85	6.90	7.30	52,353	349,016	401,369
1985-86	5,121	59,079	64,200	6.40	3.70	3.92	32,774	218,592	251,366
1986-87	5,267	60,533	65,800	6.10	4.43	4.56	32,129	268,161	300,290
1987-88	5,870	72,630	78,500	7.40	5.73	5.85	43,438	416,170	459,608
Florida Navels									
1983-84	1,747	453	2,200	8.70	4.57	7.85	15,199	2,070	17,269
1984-85	1,379	371	1,750	16.45	6.49	14.34	22,685	2,408	25,093
1985-86	1,606	444	2,050	11.90	3.06	9.99	19,111	1,359	20,470
1986-87	1,932	568	2,500	9.50	2.81	7.98	18,354	1,596	19,950
1987-88	2,046	554	2,600	10.20	4.33	8.95	20,869	2,399	23,268
Florida late (Valencia) oranges									
1983-84	2,701	44,299	47,000	9.50	6.55	6.72	25,660	290,158	315,818
1984-85	2,234	46,666	48,900	9.65	6.75	6.88	21,558	314,996	336,554
1985-86	3,839	51,161	55,000	3.90	3.98	3.97	14,972	203,621	218,593
1986-87	3,603	50,297	53,900	6.30	6.00	6.02	22,699	301,782	324,481
1987-88	3,650	55,850	59,500	8.20	7.86	7.88	29,930	438,981	468,911
California Navels and miscellaneous oranges									
1983-84	25,350	8,350	33,700	5.66	-1.24	3.95	143,481	-10,354	133,127
1984-85	23,100	3,100	26,200	10.94	.96	9.76	252,714	2,976	255,690
1985-86	26,500	6,500	33,000	7.24	-1.64	5.49	191,860	-10,660	181,200
1986-87	26,500	8,000	34,500	7.56	-1.76	5.40	200,340	-14,080	186,260
1987-88	24,900	6,600	31,500	7.84	- .44	6.11	195,216	- 2,904	192,312
California Valencia oranges									
1983-84	12,200	2,600	14,800	15.10	.18	12.48	184,220	468	184,688
1984-85	17,300	8,900	26,200	8.76	1.32	6.23	151,548	11,748	163,296
1985-86	17,100	3,800	20,900	5.60	-1.16	4.37	95,760	- 4,408	91,352
1986-87	15,200	8,200	23,400	10.14	- .32	6.47	154,128	- 2,624	151,504
1987-88	17,500	7,500	25,000	10.02	.50	7.16	175,350	3,750	179,100
Florida Temples									
1983-84	762	2,138	2,900	8.30	4.28	5.34	6,325	9,151	15,476
1984-85	626	2,624	3,250	9.90	4.56	5.59	6,197	11,965	18,162
1985-86	913	2,037	2,950	5.90	1.71	3.01	5,387	3,483	8,870
1986-87	1,053	2,347	3,400	5.00	2.97	3.60	5,265	6,971	12,236
1987-88	1,292	2,258	3,550	6.80	4.08	5.07	8,786	9,213	17,999

1/ 1987-88 preliminary.

CITRUS FRUITS: Utilization, season average on-tree price, and value by types, by states, crop years 1982-83 through 1987-88 1/

Crop year	Utilization of production: Fresh	Proc	Total	Price per box: Fresh	Proc	Total	Value of production: Fresh	Proc	Total
	1,000 boxes			Dollars per box			1,000 dollars		
United States grapefruit									
1982-83	32,153	28,447	60,600	3.18	.22	1.79	102,169	6,303	108,472
1983-84	25,686	27,924	53,610	4.19	1.30	2.68	107,629	36,236	143,865
1984-85	23,138	32,662	55,800	6.39	2.31	4.01	147,888	75,593	223,481
1985-86	27,060	30,410	57,470	5.86	2.95	4.29	161,988	86,904	248,892
1986-87	29,733	33,492	63,225	6.29	3.81	4.96	188,918	123,310	312,228
1987-88	33,095	34,955	68,050	6.83	4.07	5.39	225,492	138,869	364,361
Florida grapefruit									
1982-83	18,313	21,087	39,400	3.61	.52	1.96	66,195	11,026	77,221
1983-84	16,661	24,239	40,900	4.20	1.70	2.72	69,894	41,264	111,158
1984-85	14,988	29,012	44,000	5.62	2.66	3.67	84,208	77,148	161,356
1985-86	19,620	27,130	46,750	5.19	3.29	4.09	101,731	89,336	191,067
1986-87	20,938	28,862	49,800	5.89	4.32	4.98	123,342	124,778	248,120
1987-88	23,110	30,740	53,850	6.85	4.45	5.48	158,304	136,829	295,133
California grapefruit									
1982-83	4,420	2,880	7,300	4.05	-1.31	1.94	17,901	-3,773	14,128
1983-84	4,620	2,620	7,240	5.30	-1.53	2.83	24,469	-4,008	20,461
1984-85	6,200	2,600	8,800	8.18	- .44	5.63	50,732	-1,156	49,576
1985-86	5,700	2,400	8,100	8.74	- .76	5.93	49,755	-1,824	47,931
1986-87	5,850	3,450	9,300	7.71	- .64	4.62	45,039	-2,208	42,831
1987-88	6,200	2,700	8,900	7.01	- .41	4.77	43,308	-1,110	42,198
Texas grapefruit									
1982-83	7,800	3,400	11,200	1.75	.14	1.26	13,650	476	14,126
1983-84	2,860	340	3,200	2.24	.24	2.03	6,406	82	6,488
1984-85	0	0	0	0	0	0	0	0	0
1985-86	200	20	220	8.93	3.53	8.44	1,786	71	1,857
1986-87	1,555	370	1,925	7.88	3.40	7.02	12,253	1,258	13,511
1987-88	2,785	1,015	3,800	6.93	3.32	5.97	19,300	3,370	22,670
Arizona grapefruit									
1982-83	1,620	1,080	2,700	2.73	-1.32	1.11	4,423	-1,426	2,997
1983-84	1,545	725	2,270	4.44	-1.52	2.54	6,860	-1,102	5,758
1984-85	1,950	1,050	3,000	6.64	- .38	4.18	12,948	- 399	12,549
1985-86	1,540	860	2,400	5.66	- .79	3.35	8,716	- 679	8,037
1986-87	1,390	810	2,200	5.96	- .64	3.53	8,284	- 518	7,766
1987-88	1,000	500	1,500	4.58	- .44	2.91	4,580	- 220	4,360

1/ 1987-88 preliminary.

CITRUS FRUITS: Utilization, season average on-tree price, and value by types, by states, crop years 1983-84 through 1987-88 1/

Crop year	Utilization of production: Fresh	Proc	Total	Price per box: Fresh	Proc	Total	Value of production: Fresh	Proc	Total
	1,000 boxes			Dollars per box			1,000 dollars		
Florida all tangerines									
1984-85	945	895	1,840	22.65	4.16	13.66	21,404	3,723	25,127
1985-86	1,189	761	1,950	18.20	1.15	11.55	21,640	875	22,515
1986-87	1,462	878	2,340	16.20	2.14	10.92	23,684	1,879	25,563
1987-88	1,614	836	2,450	17.40	3.84	12.77	28,084	3,210	31,294
Florida Robinson tangerines									
1984-85	284	116	400	22.85	3.26	17.17	6,489	378	6,867
1985-86	257	103	360	22.90	.77	16.57	5,885	79	5,964
1986-87	290	110	400	22.40	.86	16.48	6,496	95	6,591
1987-88	278	82	360	23.80	1.28	18.67	6,616	105	6,721
Florida Dancy tangerines									
1984-85	409	241	650	21.70	4.07	15.16	8,875	981	9,856
1985-86	481	309	790	17.55	.64	10.94	8,442	198	8,640
1986-87	524	376	900	16.20	1.37	10.00	8,489	515	9,004
1987-88	550	390	940	15.70	2.29	10.14	8,635	893	9,528
Florida Honey tangerines									
1984-85	252	538	790	24.10	4.39	10.68	6,073	2,362	8,435
1985-86	451	349	800	16.50	1.70	10.04	7,442	593	8,035
1986-87	648	392	1,040	13.40	3.24	9.57	8,683	1,270	9,953
1987-88	786	364	1,150	16.40	6.08	13.13	12,890	2,213	15,103
California tangerines 2/									
1983-84	920	930	1,850	11.00	-1.25	4.84	10,120	-1,163	8,957
1984-85	1,145	535	1,680	15.56	.94	10.90	17,816	503	18,319
1985-86	1,270	530	1,800	15.30	-1.38	10.39	19,431	- 731	18,700
1986-87	1,632	598	2,230	13.54	- .32	9.82	22,097	- 191	21,906
1987-88	1,524	566	2,090	18.92	- .38	13.69	28,834	- 215	28,619
Arizona tangerines 2/									
1983-84	900	250	1,150	5.57	-1.65	4.00	5,013	-413	4,600
1984-85	570	130	700	12.92	.92	10.69	7,364	120	7,484
1985-86	530	170	700	13.70	-1.34	10.05	7,261	-228	7,033
1986-87	565	135	700	13.14	- .32	10.54	7,424	- 43	7,381
1987-88	375	75	450	16.02	.50	13.44	6,008	38	6,046

1/ 1987-88 preliminary.
2/ 1984-85 and 1985-86 revised due to P.H.D. and on-tree cost revisions in California and Arizona.

OTHER CITRUS, LIMES AND LEMONS: Utilization, season average on-tree price, and value by types, by states, crop years 1983-84 through 1987-88 1/

Crop year	Utilization of production: Fresh	Proc	Total	Price per box: Fresh	Proc	Total	Value of production: Fresh	Proc	Total
	1,000 boxes			Dollars per box			1,000 dollars		
Florida tangelos									
1983-84	1,596	2,004	3,600	4.90	3.78	4.28	7,820	7,575	15,395
1984-85	1,468	2,132	3,600	10.40	4.80	7.08	15,267	10,234	25,501
1985-86	1,338	1,612	2,950	6.40	2.12	4.06	8,563	3,417	11,980
1986-87	1,310	2,690	4,000	5.70	2.76	3.72	7,467	7,424	14,891
1987-88	1,395	2,805	4,200	7.60	4.23	5.35	10,602	11,865	22,467
Florida K-Early Citrus									
1983-84	402	118	520	3.01	- .25	2.27	1,210	-30	1,180
1984-85	102	23	125	14.10	2.37	11.94	1,438	55	1,493
1985-86	121	39	160	10.90	.89	8.46	1,319	35	1,354
1986-87	174	46	220	8.20	1.12	6.72	1,427	52	1,479
1987-88	184	56	240	10.40	1.62	8.35	1,914	91	2,005
Florida limes									
1983-84	825	615	1,440	14.40	-1.86	7.46	11,880	-1,144	10,736
1984-85	1,025	615	1,640	12.20	- .94	7.27	12,505	- 578	11,927
1985-86	880	845	1,725	16.50	- .98	7.94	14,520	- 828	13,692
1986-87	850	600	1,450	15.40	-1.11	8.57	13,090	- 666	12,424
1987-88	860	440	1,300	20.12	-1.84	12.69	17,303	- 810	16,493
California lemons									
1983-84	9,240	8,010	17,250	8.16	-2.06	3.41	75,398	-16,501	58,897
1984-85	9,350	10,450	19,800	10.58	-1.06	4.44	98,923	-11,077	87,846
1985-86	9,500	5,600	15,100	14.28	-1.18	8.55	135,660	- 6,608	129,052
1986-87	10,000	11,500	21,500	10.54	-1.18	4.27	105,400	-13,570	91,830
1987-88	10,100	6,900	17,000	13.44	-2.12	7.12	135,744	-14,628	121,116
Arizona lemons									
1983-84	2,320	1,680	4,000	5.07	-3.12	1.63	11,762	- 5,242	6,520
1984-85	2,390	3,610	6,000	6.74	-1.91	1.54	16,109	- 6,895	9,214
1985-86	1,980	1,270	3,250	20.95	-1.23	12.28	41,481	- 1,562	39,919
1986-87	2,345	4,755	7,100	6.32	-1.10	1.35	14,820	- 5,231	9,589
1987-88	1,965	1,685	3,650	12.24	-2.04	5.65	24,052	- 3,437	20,615

1/ 1987-88 preliminary.

FLORIDA LEMONS: Bearing acreage, production, and season average on-tree prices for crop years 1983 through 1987

Crop year 1/	True lemons: Bearing acres	Prod	Price per box	Meyer lemons: Bearing acres	Prod	Price per box	All lemons: Bearing acres	Prod	Price per box	Value of prod
	1,000 acres	1,000 boxes	Dols	1,000 acres	1,000 boxes	Dols	1,000 acres	1,000 boxes	Dols	1,000 dols
1983	1.6	455	9.00	.7	55	.40	2.3	510	8.10	4,111
1984	1.6	485	NA	.5	65	NA	2.1	550	6.00	3,313
1985	1.3	275	NA	.1	55	NA	1.4	330	16.60	5,483
1986	1.3	560	NA	.1	60	NA	1.4	620	2.60	1,594
1987	1.2	470	NA	.1	40	NA	1.3	510	5.00	2,561

1/ Crop year corresponds to calendar year.

FLORIDA GRAPEFRUIT: Production by types, by areas of production, crop years 1978-79 through 1987-88 1/

Crop year	White seedless			Colored seedless			Seedy		
	State	Interior	Indian River	State	Interior	Indian River	State	Interior	Indian River
	1,000 boxes								
1978-79	29,400	17,200	12,200	13,300	6,000	7,300	7,300	7,100	200
1979-80	31,100	18,700	12,400	15,800	8,100	7,700	7,900	7,700	200
1980-81	28,400	16,000	12,400	14,600	6,700	7,900	7,300	7,100	200
1981-82	27,300	13,400	13,900	14,800	5,900	8,900	6,000	5,800	200
1982-83	21,800	11,800	10,000	12,800	5,000	7,800	4,800	4,700	100
1983-84	23,000	10,200	12,800	13,400	4,300	9,100	4,500	4,400	100
1984-85	24,800	8,600	16,200	16,300	4,200	12,100	2,900	2,800	100
1985-86	25,600	10,700	14,900	18,000	5,500	12,500	3,150	2,950	200
1986-87	26,900	10,300	16,600	20,000	5,100	14,900	2,900	2,800	100
1987-88	29,200	11,700	17,500	21,900	6,200	15,700	2,750	2,650	100

1/ 1987-88 preliminary.

FLORIDA GRAPEFRUIT: Season average on-tree prices per box, by utilization of sales and areas of production, by types, crop years 1982-83 through 1987-88 1/

Crop year and area	White seedless			Colored seedless		
	Fresh	Processing	All sales	Fresh	Processing	All sales
	Dollars					
1982-83						
Interior	2.80	.64	1.22	4.02	.12	2.79
Indian River	2.82	.49	1.86	4.62	-.02	3.43
State average	2.81	.59	1.51	4.40	.04	3.20
1983-84						
Interior	2.54	1.65	1.85	4.44	1.62	3.29
Indian River	3.11	1.66	2.28	5.40	1.54	4.28
State average	2.95	1.65	2.08	5.25	1.57	4.05
1984-85						
Interior	3.78	2.75	3.00	6.40	2.09	5.48
Indian River	4.00	2.78	3.02	6.70	2.41	4.66
State average	3.94	2.77	3.02	6.55	2.37	4.84
1985-86						
Interior	3.90	3.32	3.44	5.40	2.85	5.02
Indian River	4.40	3.33	3.66	5.80	3.23	4.91
State average	4.20	3.33	3.56	5.70	3.17	4.98
1986-87						
Interior	5.20	4.37	4.53	6.40	3.74	6.13
Indian River	4.50	4.35	4.40	6.50	4.28	5.66
State average	4.70	4.36	4.45	6.50	4.23	5.80
1987-88						
Interior	5.60	4.71	4.86	6.50	3.71	5.87
Indian River	7.20	4.69	5.56	7.00	3.44	5.77
State average	6.85	4.70	5.29	6.85	3.50	5.81

1/ 1987-88 preliminary.

FLORIDA CITRUS PRODUCTS: Annual packs of oranges and all citrus feeds, crop years 1973-74 through 1987-88

Crop year	Oranges: Concentrated juice 1/: Product	Oranges: Concentrated juice 1/: Boxes used	Oranges: Chilled juice: Product	Oranges: Chilled juice: Boxes used	Oranges: Canned juice: Product	Oranges: Canned juice: Boxes used	Oranges: Canned sections: Product	All citrus: Feed	All citrus: Molasses
	1,000 gallons	1,000 boxes	1,000 gallons	1,000 boxes	1,000 cases 2/	1,000 boxes	1,000 cases 2/	1,000 tons	
1973-74	171,846	132,469	112,775	20,405	10,885	6,594	17	742	61
1974-75	178,174	135,512	123,189	22,777	10,737	6,516	18	814	58
1975-76	186,265	144,526	132,940	23,992	10,635	6,308	26	857	33
1976-77	158,035	147,772	124,550	27,243	10,767	7,429	10	1,027	30
1977-78	161,204	130,929	134,369	25,379	11,654	7,210	16	897	24
1978-79	172,985	129,123	124,953	22,793	13,222	6,511	15	886	20
1979-80	231,210	173,229	134,782	25,430	13,869	6,656	18	1,091	36
1980-81	174,537	144,322	95,700	19,640	13,012	5,994	19	988	35
1981-82	133,294	104,355	84,597	16,293	11,503	4,058	14	724	23
1982-83	169,577	114,343	104,256	18,084	9,802	2,190	35	710	26
1983-84	121,216	94,016	92,814	16,981	9,084	2,269	NA	640	36
1984-85	118,472	86,112	81,445	14,903	7,425	1,185	NA	580	35
1985-86	132,406	96,061	NA	NA	7,596	1,361	NA	610	37
1986-87	145,056	96,182	NA	NA	8,122	947	NA	601	28
1987-88	169,973	110,206	NA	NA	7,256	904	NA	697	30

FLORIDA CITRUS PRODUCTS: Annual packs of grapefruit, tangerine, and other products, crop years 1973-74 through 1987-88

Crop year	Concentrated juice: Grapefruit: Prod	Concentrated juice: Grapefruit: Boxes used	Concentrated juice: Tangerine: Prod	Concentrated juice: Blended: Prod	Canned products: Grapefruit: Juice	Canned products: Grapefruit: Segments	Canned products: Tanger-ine juice	Canned products: Blended juice	Canned products: Citrus salad
	1,000 gallons	1,000 boxes	1,000 gallons		1,000 cases 2/				
1973-74	9,026	8,732	1,019	11	20,576	3,027	18	1,782	117
1974-75	7,847	7,779	1,147	4	15,951	2,236	12	1,493	206
1975-76	9,316	8,987	1,111	1	18,439	1,602	19	1,687	112
1976-77	1,258	3,013	926	18	18,809	1,722	35	1,308	84
1977-78	13,693	13,999	1,672	1	17,246	1,753	8	1,664	111
1978-79	14,243	13,274	1,367	3	16,764	1,823	19	1,255	76
1979-80	19,443	18,506	2,142	1	16,604	1,966	17	1,314	74
1980-81	20,763	19,490	1,175	3	14,231	1,671	9	984	79
1981-82	21,869	20,052	924	18	15,725	1,344	6	727	69
1982-83	14,483	13,977	334	1	11,651	1,235	4	650	94
1983-84	19,291	18,728	636	0	9,513	NA	0	555	NA
1984-85	24,802	22,996	285	0	10,552	NA	1	615	NA
1985-86	24,162	21,572	368	0	9,948	NA	0	577	NA
1986-87	28,875	24,143	373	0	8,982	NA	0	533	NA
1987-88	31,906	26,690	583	0	7,724	NA	0	449	NA

1/ 45.0 degrees Brix through 1979-80; 43.4 degrees Brix, 1980-81; 42.0 degrees Brix, 1981-82 and later seasons. 2/ Equiv. cases, 24 No.2 cans.

SOURCE: See Page 45, Data Sources, Item 3.

FLORIDA CITRUS: Monthly and season average on-tree price per box for crop years 1983-84 through 1987-88 1/

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Season average
				Dollars			
Early (including Navels) and midseason oranges							
All methods of sale							
1983-84	--	5.23	4.91	4.96	5.69	--	5.09
1984-85	--	9.21	7.70	7.16	6.79	--	7.30
1985-86	--	4.46	4.16	3.83	3.75	3.57	3.92
1986-87	--	5.01	4.42	4.45	4.83	--	4.56
1987-88	--	6.35	5.02	5.54	6.53	7.40	5.85
Sales for fresh use							
1983-84	--	6.40	6.60	7.50	7.70	--	6.80
1984-85	--	11.75	12.45	10.45	12.95	--	11.85
1985-86	--	6.40	7.40	4.50	4.50	6.50	6.40
1986-87	--	6.60	6.50	4.90	4.60	--	6.10
1987-88	--	7.90	7.30	6.60	7.40	8.10	7.40
Sales for processing							
1983-84	--	3.77	4.68	4.91	5.61	--	4.96
1984-85	--	6.67	6.80	7.05	6.75	--	6.90
1985-86	--	2.61	3.61	3.81	3.74	3.49	3.70
1986-87	--	3.65	4.15	4.43	4.84	--	4.43
1987-88	--	4.02	4.69	5.50	6.50	7.40	5.73

Crop year	Feb	Mar	Apr	May	Jun	Jul	Season average
				Dollars			
Late (Valencia) oranges							
All methods of sale							
1983-84	5.70	6.40	6.73	7.15	7.68	--	6.72
1984-85	6.95	6.57	6.79	7.03	7.36	--	6.88
1985-86	3.86	3.49	3.78	4.20	4.23	--	3.97
1986-87	--	5.64	5.83	6.05	6.54	--	6.02
1987-88	--	7.13	7.13	8.18	8.56	--	7.88
Sales for fresh use							
1983-84	8.60	8.70	8.90	9.80	13.00	--	9.50
1984-85	12.95	9.45	9.05	8.95	9.25	--	9.65
1985-86	4.20	3.50	3.30	3.20	6.70	--	3.90
1986-87	--	5.40	5.60	5.90	9.80	--	6.30
1987-88	--	8.40	7.60	7.70	10.50	--	8.20
Sales for processing							
1983-84	5.61	6.14	6.56	7.01	7.44	--	6.55
1984-85	6.75	6.42	6.68	6.94	7.21	--	6.75
1985-86	3.74	3.49	3.81	4.24	4.04	--	3.98
1986-87	--	5.73	5.84	6.06	6.32	--	6.00
1987-88	--	6.50	7.10	8.20	8.50	--	7.86

1/ 1987-88 preliminary.

FLORIDA CITRUS: Monthly and season average on-tree price per box for crop years 1983-84 through 1987-88 1/

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Season average
					Dollars					
White seedless grapefruit										
All methods of sale										
1983-84	2.35	1.27	1.43	1.71	1.66	2.17	3.12	3.28	--	2.08
1984-85	3.54	2.96	3.00	3.02	3.10	2.85	3.11	3.38	--	3.02
1985-86	3.74	2.73	3.28	3.46	3.52	3.63	4.18	--	--	3.56
1986-87	6.08	3.37	4.01	4.30	4.41	4.54	5.08	--	--	4.45
1987-88	7.30	5.07	4.94	5.29	5.38	5.07	5.35	5.59	--	5.29
Sales for fresh use										
1983-84	2.94	1.65	2.16	2.91	2.70	2.98	3.84	4.16	--	2.95
1984-85	4.20	3.50	3.46	3.74	4.85	3.70	3.90	4.43	--	3.94
1985-86	4.50	3.21	3.49	3.70	3.80	4.50	5.30	--	--	4.20
1986-87	7.40	3.70	3.90	3.90	4.00	4.60	5.60	--	--	4.70
1987-88	8.45	5.95	6.05	5.95	7.25	6.85	6.75	7.35	--	6.85
Sales for processing										
1983-84	.59	.69	.89	1.09	1.39	1.89	2.69	2.49	--	1.65
1984-85	1.69	2.28	2.75	2.69	2.84	2.76	2.92	2.75	--	2.77
1985-86	2.15	2.48	3.21	3.37	3.46	3.44	3.57	--	--	3.33
1986-87	2.97	3.12	4.04	4.41	4.52	4.53	4.62	--	--	4.36
1987-88	3.05	3.55	4.30	4.95	4.85	4.75	4.65	4.15	--	4.70

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Season average
					Dollars					
Colored seedless grapefruit										
All methods of sale										
1983-84	5.33	3.10	2.68	4.77	3.64	4.46	4.89	4.38	4.04	4.05
1984-85	5.89	5.33	5.26	5.14	4.50	4.17	4.71	4.91	--	4.84
1985-86	5.68	4.63	4.42	4.54	4.67	5.18	5.54	5.64	--	4.98
1986-87	8.31	5.80	5.67	5.42	5.35	5.54	5.32	6.24	--	5.80
1987-88	10.20	6.74	6.21	6.07	5.81	5.31	4.75	4.61	--	5.81
Sales for fresh use										
1983-84	6.05	3.49	3.32	5.85	5.75	6.25	5.95	5.75	5.65	5.25
1984-85	6.90	6.23	6.11	6.37	7.91	6.50	6.56	7.20	--	6.55
1985-86	6.50	5.30	5.00	5.00	5.40	6.10	6.30	6.50	--	5.70
1986-87	9.80	6.50	6.30	5.90	5.80	6.10	5.70	7.00	--	6.50
1987-88	11.65	7.55	7.05	6.75	6.45	6.25	5.75	6.05	--	6.85
Sales for processing										
1983-84	1.29	1.31	.76	1.65	1.51	1.83	2.03	1.78	1.59	1.57
1984-85	.95	1.58	2.08	2.38	2.59	2.52	2.43	2.25	--	2.37
1985-86	2.18	2.04	2.77	3.40	3.34	3.23	3.84	3.61	--	3.17
1986-87	1.63	3.34	3.96	4.45	4.58	4.59	4.52	4.41	--	4.23
1987-88	2.35	2.75	3.30	4.40	4.65	3.95	2.95	1.85	--	3.50

1/ 1987-88 preliminary.

FLORIDA CITRUS: Monthly and season average on-tree price per box for crop years 1983-84 through 1987-88 1/

Crop year	Apr	May	Jun	Jul	Aug	Sep
			Dollars			
Limes						
All methods of sale						
1983-84	28.53	12.35	4.75	-.54	-.33	6.68
1984-85	35.74	7.40	.48	.38	1.52	4.56
1985-86	26.65	8.90	1.04	-.21	1.13	3.96
1986-87	53.05	31.36	11.57	-.70	-.74	6.53
1987-88	28.42	28.71	16.85	2.70	.83	4.47
Sales for fresh use						
1983-84	32.90	22.90	7.90	.90	.90	13.90
1984-85	45.20	13.20	1.70	1.20	3.20	9.20
1985-86	32.00	10.00	3.00	1.00	4.00	11.00
1986-87	81.90	45.90	14.90	-.10	-1.10	8.30
1987-88	33.90	37.90	21.90	4.90	3.90	7.90
Sales for processing						
1983-84	-2.10	-2.10	-2.15	-1.88	-1.44	-1.82
1984-85	-2.10	-1.55	-1.00	- .50	- .45	- .78
1985-86	-1.99	- .78	- .78	- .78	- .67	- .82
1986-87	- .80	-1.60	-2.25	-1.05	- .55	- .90
1987-88	-2.15	-2.15	-2.15	-2.15	-1.40	-1.05

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Season average
			Dollars				
Limes							
All methods of sale							
1983-84	4.49	6.77	9.37	22.69	49.57	51.23	7.46
1984-85	2.27	6.86	21.66	23.38	18.90	30.14	7.27
1985-86	7.28	16.58	21.93	19.78	25.04	46.62	7.94
1986-87	5.64	13.76	16.61	13.82	16.21	25.17	8.57
1987-88	3.65	11.78	34.80	43.80	41.80	39.80	12.69
Sales for fresh use							
1983-84	9.90	13.90	15.90	32.90	59.90	62.90	14.40
1984-85	3.20	9.20	27.20	28.20	23.20	39.20	12.20
1985-86	12.00	27.00	34.00	33.00	36.00	66.00	16.50
1986-87	7.90	17.90	20.90	17.90	20.90	32.90	15.40
1987-88	10.90	17.90	34.80	43.80	41.80	39.80	20.12
Sales for processing							
1983-84	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-1.86
1984-85	-1.30	-1.82	-1.82	-1.82	-1.82	-1.82	- .94
1985-86	-1.82	-1.82	-1.82	-1.82	-1.82	-1.82	- .98
1986-87	-2.40	-2.25	-2.25	-2.25	-2.25	-2.15	-1.11
1987-88	-2.40	-3.00	--	--	--	--	-1.84

1/ 1987-88 preliminary.

FLORIDA CITRUS: Monthly and season average on-tree price per box for crop years 1983-84 through 1987-88 1/

Crop year	Oct	Nov	Dec	Jan	Feb	Season average
			Dollars			
Tangelos						
All methods of sale						
1983-84	--	4.46	3.94	4.90	5.02	4.28
1984-85	11.06	8.63	7.12	6.08	6.31	7.08
1985-86	5.97	4.61	4.10	3.71	3.04	4.06
1986-87	--	4.19	3.60	3.59	3.88	3.72
1987-88	--	6.61	5.25	5.20	4.55	5.35
Sales for fresh use						
1983-84	--	5.00	4.00	9.60	8.70	4.90
1984-85	14.90	11.20	8.90	10.90	14.40	10.40
1985-86	9.80	6.80	5.60	7.50	5.80	6.40
1986-87	--	6.10	5.10	6.10	6.60	5.70
1987-88	--	9.10	6.60	8.10	9.10	7.60
Sales for processing						
1983-84	--	3.64	3.88	3.58	4.20	3.78
1984-85	4.48	4.80	4.90	4.90	4.12	4.80
1985-86	1.98	1.93	2.23	2.13	2.13	2.12
1986-87	--	2.53	2.68	2.88	2.88	2.76
1987-88	--	3.05	4.15	4.55	4.05	4.23

Crop year	Sep	Oct	Nov	Season average	Jan	Feb	Mar	Apr	Season average
		Dollars					Dollars		
K-Early Citrus Fruit					**Temples**				
All methods of sale					All methods of sale				
1983-84	--	2.76	1.38	2.27	5.03	5.51	5.51	5.45	5.34
1984-85	13.81	11.54	5.45	11.94	6.25	5.13	5.29	--	5.59
1985-86	8.99	8.73	3.96	8.46	3.63	2.80	2.32	2.54	3.01
1986-87	--	7.03	3.77	6.72	4.69	3.37	3.20	3.53	3.60
1987-88	--	8.80	5.64	8.35	6.04	4.66	4.96	--	5.07
Sales for fresh use					Sales for fresh use				
1983-84	--	3.50	2.00	3.01	8.70	7.90	8.70	9.00	8.30
1984-85	14.90	13.90	8.40	14.10	9.40	10.90	11.60	--	9.90
1985-86	10.80	11.10	7.00	10.90	6.00	5.80	5.80	5.80	5.90
1986-87	--	8.60	4.40	8.20	5.70	4.20	4.90	6.80	5.00
1987-88	--	10.70	8.10	10.40	7.20	5.90	8.20	--	6.80
Sales for processing					Sales for processing				
1983-84	--	- .34	- .15	- .25	3.62	4.40	4.99	4.98	4.28
1984-85	1.50	2.50	2.50	2.37	4.52	4.52	4.72	--	4.56
1985-86	.57	.92	.92	.89	1.87	1.72	1.52	1.52	1.71
1986-87	--	1.07	1.52	1.12	2.86	3.06	2.91	2.96	2.97
1987-88	--	1.55	1.85	1.62	3.15	4.05	4.35	--	4.08

1/ 1987-88 preliminary.

FLORIDA CITRUS: Monthly and season average on-tree price per box for crop years 1983-84 through 1987-88 1/

Crop year	Oct	Nov	Dec	Season average	Nov	Dec	Jan	Feb	Season average
	Dollars					Dollars			
Robinson tangerines					**Dancy tangerines**				
All methods of sale					All methods of sale				
1984-85	17.33	16.94	--	17.17	16.89	14.78	13.60	--	15.16
1985-86	17.80	14.98	--	16.57	14.33	11.27	6.94	--	10.94
1986-87	17.60	16.70	11.30	16.48	15.90	11.10	7.68	1.51	10.00
1987-88	19.50	18.42	15.10	18.67	17.53	11.19	7.80	3.88	10.14
Sales for fresh use					Sales for fresh use				
1984-85	23.05	22.55	--	22.85	22.55	21.05	23.55	--	21.70
1985-86	24.60	20.70	--	22.90	20.70	17.10	14.70	--	17.55
1986-87	24.20	22.40	15.90	22.40	22.40	16.00	14.20	--	16.20
1987-88	24.50	23.50	21.90	23.80	24.30	16.00	12.50	11.50	15.70
Sales for processing					Sales for processing				
1984-85	2.90	3.84	--	3.26	3.84	4.00	4.56	--	4.07
1985-86	0.90	0.60	--	.77	0.60	0.54	0.83	--	.64
1986-87	0.80	0.70	1.75	.86	0.31	1.36	1.51	1.51	1.37
1987-88	0.70	1.60	1.50	1.28	1.60	1.50	3.00	3.30	2.29

Crop year	Jan	Feb	Mar	Apr	May	Season average
	Dollars					
Honey tangerines						
All methods of sale						
1984-85	10.83	8.20	14.55	--	--	10.68
1985-86	9.24	8.98	11.74	13.67	9.10	10.04
1986-87	9.59	9.20	8.96	13.40	--	9.57
1987-88	13.04	12.57	13.19	15.45	--	13.13
Sales for fresh use						
1984-85	24.90	22.90	23.90	--	--	24.10
1985-86	18.10	15.30	15.90	17.00	17.10	16.50
1986-87	15.10	13.10	11.90	17.20	--	13.40
1987-88	17.50	15.50	16.00	19.50	--	16.40
Sales for processing						
1984-85	4.15	4.55	4.55	--	--	4.39
1985-86	1.43	1.63	1.83	3.13	3.23	1.70
1986-87	3.04	3.24	3.29	3.54	--	3.24
1987-88	4.00	6.40	6.50	7.70	--	6.08

1/ 1987-88 preliminary.

FLORIDA CITRUS: Production by counties, areas and types, 1987-88 season

County and area	Round oranges: Early and mid	Round oranges: Late	Round oranges: All	Grapefruit: Seedless: White	Grapefruit: Seedless: Colored	Grapefruit: Seedy	Grapefruit: All	Specialty fruit	All citrus 1/
				1,000 boxes					
Counties:									
Brevard	1,357	1,346	2,703	392	554	10	956	152	3,811
Broward	35	100	135	1	33	1	35	11	181
Charlotte	1,371	1,003	2,374	97	83	11	191	89	2,654
Collier	1,734	747	2,481	166	439	39	644	124	3,249
DeSoto	6,737	4,137	10,874	250	60	138	448	404	11,726
Glades	1,185	319	1,504	27	48	--	75	17	1,596
Hardee	9,355	3,578	12,933	159	80	63	302	372	13,607
Hendry	6,535	3,968	10,503	2,035	1,184	67	3,286	596	14,385
Highlands	4,136	8,364	12,500	1,295	322	317	1,937	1,137	15,574
Hillsborough	5,642	1,845	7,487	241	136	82	459	359	8,305
Indian River	3,617	3,091	6,708	8,500	6,601	25	15,126	574	22,408
Lake	942	845	1,787	99	187	30	316	433	2,536
Lee	1,091	779	1,870	128	62	14	204	47	2,121
Manatee	2,890	1,246	4,136	296	252	310	858	392	5,386
Martin	4,378	4,680	9,058	2,185	636	10	2,831	508	12,397
Okeechobee	948	413	1,361	326	102	1	429	90	1,880
Orange	1,270	1,254	2,524	101	108	26	235	341	3,100
Osceola	2,531	1,383	3,914	218	235	32	485	298	4,697
Palm Beach	2,330	1,150	3,480	1,068	781	7	1,856	670	6,006
Pasco	241	121	362	13	5	7	25	28	415
Pinellas	13	34	47	20	6	20	46	16	109
Polk	14,565	14,002	28,567	3,892	2,055	1,491	7,438	2,314	38,319
St. Lucie	4,984	4,784	9,768	7,528	7,873	44	15,445	1,368	26,581
Sarasota	247	134	381	114	26	4	144	41	566
Seminole	137	68	205	2	--	--	2	41	248
Volusia	123	88	211	43	26	1	70	9	290
Other 2/	106	21	127	1	6	--	7	9	143
State total	78,500	59,500	138,000	29,200	21,900	2,750	53,850	10,440	202,290
Area:									
Indian River District	10,822	10,639	21,461	17,500	15,700	100	33,300	2,241	57,002
Northern	2,696	2,309	5,005	216	306	63	585	852	6,442
Central	21,156	23,893	45,049	5,375	2,588	1,830	9,793	3,726	58,568
Western	24,884	10,974	35,858	1,080	560	617	2,257	1,584	39,699
Southern	18,942	11,685	30,627	5,029	2,746	140	7,915	2,037	40,579
State total	78,500	59,500	138,000	29,200	21,900	2,750	53,850	10,440	202,290

1/ Excludes limes and lemons.
2/ Citrus, Hernando, Marion, Putnam, and Sumter counties.

FLORIDA CITRUS: Total acreage by counties and types of fruit as of 1988

County	Round oranges			Grapefruit					
	Early and mid	Late	All 1/	Seedless		Seedy	All 1/	Specialty fruit 2/	All citrus
				White	Colored				
	Acres								
Brevard	4,554	3,997	8,916	699	1,380	79	2,190	535	11,641
Broward	165	417	593	1	125	5	131	40	764
Charlotte	4,070	4,236	8,675	238	200	36	475	195	9,345
Citrus	126	3	182	0	2	0	2	7	191
Collier	7,315	7,624	15,164	339	1,154	83	1,576	569	17,309
Dade	0	0	0	0	0	0	0	6,656	6,656
DeSoto	20,861	17,129	41,000	391	235	412	1,151	992	43,143
Glades	3,894	1,900	6,001	41	107	0	148	86	6,235
Hardee	27,049	12,127	43,910	214	280	204	833	1,155	45,898
Hendry	22,797	21,881	45,363	2,970	2,727	229	5,959	3,631	54,953
Hernando	560	14	672	0	1	0	1	22	695
Highlands	14,187	25,647	41,902	1,875	485	1,039	3,564	3,103	48,569
Hillsborough	15,706	5,757	23,503	350	321	244	989	1,015	25,507
Indian River	14,578	14,305	29,645	17,098	15,620	149	33,522	1,995	65,162
Lake	8,854	4,366	22,553	231	687	79	1,254	2,421	26,228
Lee	3,084	3,379	7,076	264	188	51	520	651	8,247
Manatee	9,149	4,814	16,013	421	630	767	1,956	810	18,779
Marion	715	79	1,053	2	40	0	42	114	1,209
Martin	13,478	19,425	34,462	3,785	1,230	42	5,132	1,327	40,921
Okeechobee	4,724	2,218	7,016	634	209	5	854	254	8,124
Orange	6,879	5,237	15,402	169	212	77	497	1,457	17,356
Osceola	6,711	4,038	12,196	484	374	93	1,044	874	14,114
Palm Beach	5,529	4,036	9,693	1,620	1,375	23	3,018	2,176	14,887
Pasco	5,595	890	8,927	54	16	20	251	193	9,371
Pinellas	32	92	143	30	12	57	99	34	276
Polk	36,411	38,344	88,036	5,435	2,966	4,953	14,639	5,871	108,546
Putnam	14	0	46	0	0	0	0	0	46
St. Lucie	18,831	21,743	44,417	15,494	20,741	234	39,359	5,117	88,893
Sarasota	612	513	1,633	161	54	10	225	71	1,929
Seminole	829	281	1,252	4	3	1	8	180	1,440
Sumter	74	34	108	0	8	0	8	0	116
Volusia	718	342	1,185	80	61	11	159	35	1,379
State total	258,101	224,868	536,737	53,084	51,443	8,903	119,606	41,586	697,929

1/ Includes unidentified variety acreage. 2/ Includes limes and lemons. (Dade County limes surveyed as of November 1986.)

FLORIDA CITRUS: Total trees by counties and types of fruit as of 1988

County	Round oranges			Grapefruit					All citrus
	Early and mid	Late	All 1/	Seedless White	Seedless Colored	Seedy	All 1/	Specialty fruit 2/	
	1,000 trees								
Brevard	450.4	439.2	926.5	56.2	99.5	6.2	165.0	41.0	1,132.5
Broward	12.5	30.1	43.4	0.1	8.0	0.3	8.4	2.8	54.6
Charlotte	389.8	437.4	866.9	19.8	15.8	3.3	38.9	20.7	926.5
Citrus	10.7	0.3	16.5	0.0	0.2	0.0	0.2	0.4	17.1
Collier	943.6	995.5	1,964.4	34.0	121.5	9.6	165.1	70.7	2,200.2
Dade	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,060.1	1,060.1
DeSoto	2,316.5	1,935.3	4,588.4	30.1	19.8	32.1	94.6	99.4	4,782.4
Glades	375.0	191.3	591.9	4.4	9.3	0.0	13.7	8.1	613.7
Hardee	2,527.4	1,035.6	4,076.5	19.1	22.1	13.5	69.1	123.8	4,269.4
Hendry	2,904.8	2,897.1	5,906.5	311.1	312.8	22.0	649.5	495.9	7,051.9
Hernando	63.0	1.5	74.2	0.0	0.3	0.0	0.3	2.6	77.1
Highlands	1,549.2	2,452.9	4,248.0	142.1	34.6	75.3	264.4	293.6	4,806.0
Hillsborough	1,338.2	491.2	2,037.2	27.1	26.9	17.2	77.5	118.5	2,233.2
Indian River	1,379.7	1,359.7	2,828.6	1,324.5	1,419.6	11.8	2,819.6	202.2	5,850.4
Lake	928.2	390.6	2,396.7	19.1	55.4	7.0	107.9	245.2	2,749.8
Lee	342.1	386.6	799.7	23.3	21.6	4.3	51.4	78.3	929.4
Manatee	849.9	434.2	1,526.9	34.9	56.7	66.2	172.3	74.2	1,773.4
Marion	73.2	8.9	109.8	0.2	4.6	0.0	4.8	14.4	129.0
Martin	1,502.0	2,087.5	3,796.2	340.8	110.4	3.7	460.1	139.6	4,395.9
Okeechobee	481.7	204.1	693.3	50.4	17.7	0.4	69.0	21.7	784.0
Orange	602.3	391.4	1,365.2	12.3	14.9	6.2	37.7	129.5	1,532.4
Osceola	583.8	335.2	1,073.6	38.8	33.9	6.3	85.7	79.1	1,238.4
Palm Beach	600.8	460.0	1,075.4	165.8	133.2	2.4	301.4	231.1	1,607.9
Pasco	633.1	100.3	1,049.6	4.1	1.1	1.3	21.4	20.2	1,091.2
Pinellas	2.6	7.6	12.1	2.3	1.0	4.4	7.7	3.3	23.1
Polk	3,207.8	2,981.3	7,569.5	361.2	210.6	313.5	986.3	577.6	9,133.4
Putnam	1.5	0.0	5.7	0.0	0.0	0.0	0.0	0.0	5.7
St. Lucie	1,906.8	2,086.3	4,518.1	1,223.2	1,803.8	17.2	3,372.8	514.6	8,405.5
Sarasota	57.8	47.3	162.9	15.3	4.6	0.8	20.7	7.4	191.0
Seminole	69.8	20.7	102.0	0.3	0.2	0.1	0.6	12.1	114.7
Sumter	7.1	4.0	11.1	0.0	0.7	0.0	0.7	0.0	11.8
Volusia	63.1	26.9	99.8	6.5	6.3	0.8	14.4	2.3	116.5
State total	26,174.4	22,240.0	54,536.6	4,267.0	4,567.1	625.9	10,081.2	4,690.4	69,308.2

1/ Includes unidentified variety acreage. 2/ Includes limes and lemons (Dade County limes surveyed as of November 1986.)

OTHER STATES' CITRUS: Acreage by states, types, and age groups

Arizona 1/

Type	Central	Western	Total
		Acres	
Valencia	2,300	4,300	6,600
Navel and sweets	4,010	290	4,300
White grapefruit	1,680	290	1,970
Red blush grapefruit	1,900	2,030	3,930
Lemons	1,500	14,300	15,800
Tangerine types	1,610	1,590	3,200
Total	13,000	22,800	35,800

1/ 1986-87 harvested acres.

California 2/

Year set	Navel and other oranges	Valencia oranges	White grapefruit	Red grapefruit	Lemons	Limes	Tangelos and Tangors	Tangerines	All citrus
				Acres					
Pre-1976	101,457	64,077	6,092	11,095	43,854	581	4,285	2,412	233,853
1976	880	688	207	690	1,420	51	7	188	4,131
1977	575	242	57	394	759	81	15	90	2,213
1978	567	220	28	402	524	97	101	316	2,255
1979	508	372	10	371	606	58	74	171	2,170
1980	582	766	1	158	391	64	128	83	2,173
1981	573	292	5	251	842	40	36	184	2,223
1982	462	318	83	766	509	38	50	172	2,398
1983	494	989	14	153	131	9	4	104	1,898
1984	1,319	1,068	0	227	124	2	7	53	2,800
1985	1,544	1,216	35	62	28	1	18	106	3,010
1986	3,285	1,319	15	131	48	0	39	91	4,928
1987	1,362	353	38	196	129	0	19	88	2,185
Total	113,608	71,920	6,585	14,896	49,365	1,022	4,783	4,058	266,237

2/ Acreage as of 1987.

Texas 3/

Age in years	Oranges: Early and mids	Oranges: Valencia	Oranges: Total	Grapefruit: Ruby Red	Grapefruit: Redder varieties 4/	Grapefruit: Other	Grapefruit: Total	Other 5/	All citrus
					Acres				
1 TO 3	3,200	300	3,500	900	4,000	100	5,000	--	8,500
4 TO 7	100	--	100	700	100	--	800	--	900
8 TO 11	900	200	1,100	4,700	600	300	5,600	--	6,700
12+	4,000	3,100	7,100	5,800	400	900	7,100	--	14,200
Total	8,200	3,600	11,800	12,100	5,100	1,300	18,500	100	30,400

3/ Acreage as of March 1, 1987. 4/ Includes Star Ruby, Henderson/Ray and Rio Red.
5/ Includes lemons, limes, tangelos and tangerines.

SOURCES: See Page 45, Data Sources, Item 4.

ORANGES AND TANGERINES: Orange receipts at 18 U.S. cities and 5 Canadian cities; tangerine receipts at 18 U.S. cities, September 1, 1987 through July 31, 1988, by source

City	Florida		California		Arizona		Texas		Others 1/		Total	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail & boat	Truck	Rail & boat	Truck
	1,000 cartons											
Oranges												
U.S.cities:												
Atlanta	—	390	3	210	—	7	—	4	—	1	3	612
Baltimore-Washington	130	363	108	670	—	10	—	1	—	1	238	1,045
Boston	316	270	1,463	517	—	1	—	—	—	19	1,779	807
Buffalo	—	59	23	170	3	3	—	—	—	—	26	232
Chicago	—	803	1,535	1,539	—	1	—	8	—	7	1,535	2,358
Cincinnati	—	179	34	555	—	1	—	8	—	2	34	745
Columbia	—	261	—	34	—	—	—	—	—	—	—	295
Dallas	—	2	—	409	—	59	—	87	—	4	—	561
Denver	—	66	—	623	—	74	—	9	—	1	—	773
Detroit	—	164	6	433	—	—	—	—	—	1	6	598
Los Angeles	—	9	—	3,235	—	7	—	274	—	18	—	3,543
New Orleans	—	43	—	349	—	23	—	67	—	2	—	484
New York-Newark	968	424	1,681	843	—	—	—	—	2	—	2,651	1,267
Philadelphia	251	248	903	425	2	3	—	1	—	5	1,156	682
Pittsburgh	—	106	102	440	—	3	—	—	—	—	102	549
St. Louis	—	70	—	633	—	1	—	3	—	2	—	709
San Francisco-Oakland	—	185	—	2,112	—	14	—	398	—	43	—	2,752
Seattle-Tacoma	—	3	—	1,301	—	6	—	47	—	—	—	1,357
Total	1,665	3,645	5,858	14,498	5	213	—	907	2	106	7,530	19,369
Canadian cities:												
Montreal	—	251	438	187	23	6	—	—	—	377	461	821
Ottawa	—	37	—	183	—	1	—	—	—	54	—	275
Toronto	—	431	288	1,369	11	36	—	—	—	182	299	2,018
Vancouver	—	54	38	852	5	9	—	4	—	63	43	982
Winnipeg	—	15	—	274	—	17	—	10	—	19	—	335
Total	—	788	764	2,865	39	69	—	14	—	695	803	4,431
Tangerines												
U.S. cities:												
Atlanta	—	39	—	2	—	1	—	—	—	2	—	44
Baltimore-Washington	11	91	—	1	—	—	—	—	—	7	11	99
Boston	17	133	5	4	—	—	—	—	—	8	22	145
Buffalo	—	23	—	1	—	—	—	—	—	11	—	35
Chicago	—	85	69	10	—	—	—	—	—	19	69	114
Cincinnati	—	41	—	1	—	—	—	—	—	19	—	61
Columbia	—	19	—	—	—	—	—	—	—	—	—	19
Dallas	—	—	—	1	—	5	—	—	—	7	—	13
Denver	—	5	—	31	—	4	—	—	—	22	—	62
Detroit	—	54	—	4	—	—	—	—	—	20	—	78
Los Angeles	—	1	—	160	—	19	—	—	—	3	—	183
New Orleans	—	2	—	52	—	14	—	1	—	16	—	85
New York-Newark	73	124	8	22	—	—	—	—	—	1	81	147
Philadelphia	9	71	12	5	—	3	—	—	—	9	21	88
Pittsburgh	—	42	—	3	—	—	—	—	—	4	—	49
St. Louis	—	24	—	1	—	—	—	—	—	15	—	40
San Francisco-Oakland	—	17	—	306	—	13	—	—	—	35	—	371
Seattle-Tacoma	—	13	—	100	—	2	—	—	—	—	—	115
Total	110	784	94	704	—	61	—	1	—	198	204	1,748

1/ Principal source of receipts of oranges at U.S. cities were Central America, Israel, South Africa, Mexico, Australia. Principal source of receipts of tangerines at U.S. cities were Mexico and Spain.

Source: See Page 45, Data Sources, Item 5.

GRAPEFRUIT, TANGELOS AND TEMPLES: Grapefruit receipts at 18 U.S. cities and 5 Canadian cities; tangelo and Temple receipts at 16 U.S. cities, September 1, 1987 through July 31, 1988, by source

City	Florida		California		Arizona		Texas		Others 1/		Total	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail & boat	Truck	Rail & boat	Truck
	1,000 cartons											
Grapefruit												
U.S. cities:												
Atlanta	—	187	—	39	—	3	—	4	—	—	—	233
Baltimore-Washington	169	472	13	52	—	7	—	—	—	—	182	531
Boston	441	592	52	107	—	—	—	—	—	2	493	701
Buffalo	—	171	—	11	—	4	—	—	—	1	—	187
Chicago	—	745	135	96	—	8	—	54	—	—	135	903
Cincinnati	—	314	5	55	—	—	—	28	—	—	5	397
Columbia	—	51	—	6	—	1	—	—	—	—	—	58
Dallas	—	3	—	49	—	14	—	99	—	1	—	166
Denver	—	271	—	55	—	3	—	54	—	—	—	383
Detroit	—	361	—	30	—	1	—	—	—	—	—	392
Los Angeles	—	10	—	570	—	65	—	168	—	5	—	818
New Orleans	—	23	—	50	—	14	—	49	—	—	—	136
New York-Newark	829	533	147	40	—	—	—	—	—	4	976	577
Philadelphia	414	381	2	26	—	3	—	12	—	7	416	429
Pittsburgh	—	244	—	54	—	2	—	6	—	—	—	306
St. Louis	—	269	—	47	—	—	—	44	—	—	—	360
San Francisco-Oakland	—	70	—	499	—	9	—	465	—	23	—	1,066
Seattle-Tacoma	—	84	—	201	—	28	—	201	—	—	—	514
Total	1,853	4,781	354	1,987	—	162	—	1,184	—	43	2,207	8,157
Canadian cities:												
Montreal	—	615	12	45	3	3	—	1	—	—	15	664
Ottawa	—	172	—	7	—	—	—	—	—	3	—	182
Toronto	—	985	4	48	—	—	—	—	—	18	4	1,051
Vancouver	—	86	14	196	—	1	3	43	—	—	17	326
Winnipeg	—	67	—	23	—	19	—	25	—	—	—	134
Total	—	1,925	30	319	3	23	3	69	—	21	36	2,357

City	Tangelos - Truck					Temples - Truck		
	Florida	Arizona & California	Texas	Mexico	Total	Florida	Other	Total
	1,000 cartons							
U.S. cities:								
Atlanta	9	1	—	—	10	24	—	24
Baltimore-Washington	40	4	—	—	44	53	—	53
Boston	43	6	—	—	49	33	—	33
Buffalo	13	1	—	—	14	16	—	16
Chicago	29	5	—	—	34	30	—	30
Cincinnati	43	7	—	—	50	28	—	28
Columbia	2	—	—	—	2	1	—	1
Dallas	1	17	—	—	18	—	—	—
Denver	2	7	—	2	11	—	—	—
Detroit	41	4	—	—	45	45	—	45
Los Angeles	—	61	—	—	61	—	—	—
New Orleans	1	5	—	—	6	—	—	—
New York-Newark	42	3	—	—	45	26	—	26
Philadelphia	29	2	—	—	31	24	—	24
Pittsburgh	23	1	—	—	24	31	—	31
St. Louis	18	2	—	—	20	9	—	9
San Francisco-Oakland	3	49	—	—	52	—	—	—
Seattle-Tacoma	4	9	—	—	13	—	—	—
Total	343	184	—	2	529	320	—	320

1/ Principal source of receipts of grapefruit at U.S. cities were Central America, Israel, South Africa, Mexico, Australia.

Source: See Page 45, Data Sources, Item 5.

ORANGES: Total fresh shipments in U.S. and to Canada by states of origin and imports to U.S., monthly for crop years 1983-84 through 1987-88

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
						1,000 cartons							
Florida													
1983-84	21	239	2,284	4,337	1,173	1,165	1,164	1,083	938	325	21	13	12,763
1984-85	3	929	2,247	3,569	1,340	700	993	1,058	1,123	385	36	7	12,390
1985-86	24	962	2,219	4,399	1,724	1,543	1,705	1,955	1,522	562	212	6	16,833
1986-87	19	803	2,321	4,474	1,770	1,455	1,468	1,734	1,756	646	153	2	16,601
1987-88	7	516	2,490	4,677	1,881	1,620	1,666	1,983	1,953	791	142	15	17,741
Arizona													
1983-84	2	—	317	310	52	159	440	840	415	11	—	—	2,546
1984-85	—	2	258	368	108	83	434	730	751	139	15	—	2,888
1985-86	—	1	245	378	130	25	447	633	650	130	22	—	2,661
1986-87	—	65	607	286	225	125	338	573	746	222	34	—	3,221
1987-88	—	14	355	403	198	31	171	583	395	45	1	—	2,196
California 1/													
1983-84	4,182	4,666	4,281	8,354	7,892	8,520	11,180	8,591	5,149	3,191	2,157	2,062	70,225
1984-85	2,987	1,894	4,958	7,148	6,342	7,421	9,676	7,301	4,641	3,265	2,535	2,782	60,950
1985-86	3,627	4,102	7,335	7,249	7,345	7,763	11,301	9,261	7,953	3,872	2,938	46	72,792
1986-87	3,111	4,514	7,005	6,825	8,252	7,108	8,116	8,312	8,880	3,698	2,386	2,751	70,958
1987-88	4,142	4,223	4,712	7,520	8,774	7,557	8,927	10,130	5,767	3,467	3,241	3,226	71,686
Texas													
1983-84	34	240	676	1,338	5	—	—	—	—	—	—	—	2,293
1984-85	—	—	—	—	—	—	—	—	—	—	—	—	—
1985-86	—	—	68	212	124	66	2	—	—	—	—	—	472
1986-87	—	79	169	349	416	222	181	51	—	—	—	—	1,467
1987-88	—	85	279	514	389	566	281	57	6	—	2	—	2,179
Mexico 2/													
1983-84	—	—	—	—	—	—	—	—	—	—	—	—	—
1984-85	—	—	—	—	—	—	—	—	—	—	—	—	—
1985-86	—	—	—	1	15	28	7	10	2	—	—	—	63
1986-87	—	12	59	92	132	112	84	113	16	3	—	—	623
1987-88	—	29	43	37	71	126	90	81	8	—	—	—	485
Other countries 3/													
1983-84	22	83	37	53	122	64	200	157	36	35	30	—	839
1984-85	11	67	71	178	229	264	136	45	39	50	—	—	1,090
1985-86	110	141	72	5	30	70	93	170	145	—	—	—	836
1986-87	2	5	7	43	116	213	58	50	53	3	—	—	550
1987-88	5	4	186	157	31	92	43	82	76	—	—	1	677
Total													
1983-84	4,261	5,228	7,595	14,392	9,244	9,908	12,984	10,671	6,538	3,562	2,208	2,075	88,666
1984-85	3,001	2,892	7,534	11,263	8,019	8,462	11,239	9,134	6,554	3,839	2,586	2,789	77,318
1985-86	3,761	5,206	9,939	12,244	9,368	9,495	13,555	12,029	10,272	4,564	3,172	52	93,657
1986-87	3,132	5,478	10,168	12,069	10,911	9,235	10,245	10,833	11,451	4,572	2,573	2,753	93,420
1987-88	4,154	4,871	8,065	13,308	11,344	9,992	11,178	12,916	8,205	4,303	3,386	3,242	94,964

1/ Includes small quantity tangelos and tangerines. 2/ See page 35 for footnote. 3/ Central America, Dominican Republic, Israel, Italy, Morocco, South Africa, Spain, West Indies.

Source: See Page 45, Data Sources, Item 5.

GRAPEFRUIT: Total fresh shipments in U.S. and to Canada by states of origin and imports to U.S., monthly for crop years 1983-84 through 1987-88

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
						1,000 cartons							
Florida													
1983-84	16	2,363	2,287	3,596	2,439	3,105	3,210	2,398	1,489	539	224	7	22,183
1984-85	135	2,668	3,092	3,835	3,979	2,442	3,506	3,077	1,185	72	6	4	24,001
1985-86	352	2,804	4,196	4,407	4,000	3,804	3,824	3,241	1,458	213	8	—	28,307
1986-87	172	2,674	3,105	4,228	3,679	3,381	3,290	2,725	1,490	353	9	1	25,107
1987-88	5	1,774	2,920	3,995	3,026	3,032	3,475	2,996	2,283	574	39	94	24,213
Arizona													
1983-84	—	—	—	1	2	—	4	11	43	7	—	—	68
1984-85	—	—	—	—	27	8	6	—	24	14	—	—	79
1985-86	—	—	—	—	—	—	17	6	48	29	—	—	100
1986-87	—	—	—	—	—	—	—	12	68	23	—	—	103
1987-88	—	—	—	—	3	—	—	8	20	61	2	—	94
California													
1983-84	206	11	1	8	8	—	3	4	73	69	175	187	745
1984-85	150	5	—	5	—	2	28	35	115	222	221	151	934
1985-86	88	4	1	—	—	7	22	45	69	229	300	11	776
1986-87	59	5	3	—	—	5	6	8	124	131	190	58	589
1987-88	96	10	—	—	—	2	3	8	8	80	196	110	513
Texas													
1983-84	—	782	1,612	1,895	15	—	—	—	—	—	—	—	4,304
1984-85	—	—	—	—	—	—	—	—	—	—	—	—	—
1985-86	—	—	61	211	55	5	—	—	—	—	—	—	332
1986-87	—	100	339	569	817	751	194	43	20	—	—	—	2,833
1987-88	—	113	579	898	1,036	1,066	874	397	88	4	—	—	5,055
Mexico 1/													
1983-84	—	—	—	—	—	—	—	—	—	—	—	—	—
1984-85	—	—	—	—	—	—	—	—	—	—	—	—	—
1985-86	1	—	—	2	1	1	1	—	—	—	—	—	6
1986-87	—	—	—	1	—	—	1	1	—	—	—	1	4
1987-88	6	—	—	1	—	—	—	—	—	—	—	—	7
Other countries													
1983-84	11	30	—	3	20	3	—	—	—	—	—	—	67
1984-85	—	46	15	33	—	—	1	—	1	—	—	—	96
1985-86	20	—	7	4	9	14	2	—	—	—	—	—	56
1986-87	2	3	—	1	49	33	9	—	—	—	—	—	97
1987-88	—	3	32	63	68	58	33	17	6	—	—	—	280
Total													
1983-84	233	3,186	4,410	5,503	2,484	3,108	3,217	2,413	1,605	615	399	194	27,367
1984-85	285	2,719	3,107	3,873	4,006	2,452	3,541	3,112	1,325	308	227	155	25,110
1985-86	461	2,808	4,265	4,624	4,065	3,831	3,866	3,292	1,575	471	308	11	29,577
1986-87	233	2,782	3,447	4,799	4,545	4,170	3,500	2,789	1,702	507	199	60	28,733
1987-88	107	1,900	3,531	4,957	4,133	4,158	4,385	3,426	2,405	719	237	204	30,162

1/ See page 35 for footnote.

Source: See Page 45, Data Sources, Item 5.

TANGERINES, TANGELOS, TEMPLES AND K-EARLY: Total fresh shipments in U.S. and to Canada by states of origin and imports to U.S., monthly for crop years 1983-84 through 1987-88

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
						1,000 cartons							
Tangerines													
Florida													
1983-84	—	311	1,071	1,463	212	289	287	62	—	—	—	—	3,695
1984-85	1	365	447	475	278	101	148	17	2	8	3	—	1,845
1985-86	6	257	455	594	387	258	266	75	19	1	—	—	2,318
1986-87	2	190	421	671	475	492	410	107	15	3	1	—	2,787
1987-88	—	180	383	729	531	559	504	208	9	—	—	—	3,103
Arizona													
1983-84	—	—	—	3	27	10	2	4	—	—	—	—	46
1984-85	—	—	—	1	14	11	2	—	—	—	—	—	28
1985-86	—	—	—	—	10	30	21	3	—	—	—	—	64
1986-87	—	—	—	3	12	14	5	—	—	—	—	—	34
1987-88	—	—	—	—	2	34	20	—	—	—	—	—	56
Texas													
1983-84	—	7	15	10	—	—	—	—	—	—	—	—	32
1984-85	—	—	—	—	—	—	—	—	—	—	—	—	—
1985-86	—	—	—	1	—	—	—	—	—	—	—	—	1
1986-87	—	—	—	—	—	—	—	—	—	—	—	—	—
1987-88	—	—	—	—	—	—	—	—	—	—	—	—	—
Mexico 1/													
1983-84	—	—	—	—	—	—	—	—	—	—	—	—	—
1984-85	—	—	—	—	—	—	—	—	—	—	—	—	—
1985-86	—	—	30	40	19	2	—	—	—	—	—	—	91
1986-87	—	64	126	197	20	12	3	—	—	—	—	—	422
1987-88	—	74	266	274	89	9	—	—	—	—	—	—	712
Tangelos: Florida													
1983-84	—	29	846	1,809	286	35	2	—	—	—	—	—	3,007
1984-85	—	176	780	1,264	511	64	22	1	—	—	—	—	2,818
1985-86	—	88	645	1,281	448	75	16	8	2	—	—	—	2,563
1986-87	—	47	549	1,195	523	112	17	5	9	1	1	—	2,459
1987-88	—	46	537	1,283	495	80	2	—	—	—	—	—	2,443
Temples: Florida													
1983-84	—	—	—	6	563	589	97	3	—	—	—	—	1,258
1984-85	—	—	—	47	799	215	72	12	—	—	—	—	1,145
1985-86	—	—	—	34	919	493	218	51	6	—	1	—	1,722
1986-87	—	—	—	2	888	758	238	15	12	3	1	1	1,918
1987-88	—	—	—	55	959	982	290	9	—	—	—	—	2,295
K-Early: Florida													
1983-84	2	515	252	5	—	—	—	—	—	—	—	—	774
1984-85	63	121	5	—	25	—	—	—	—	—	—	—	214
1985-86	—	196	17	—	—	—	—	—	—	—	—	—	213
1986-87	10	301	25	1	—	—	—	—	—	—	—	—	337
1987-88	4	317	37	—	—	—	—	—	—	—	—	—	358

1/ See page 35 for footnote.

Source: See Page 45, Data Sources, Item 5.

MIXED RAIL CITRUS: Total fresh shipments in U.S. and to Canada by states of origin and imports to U.S., monthly for crop years 1983-84 through 1987-88

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
						1,000 cartons							
Florida													
1983-84	—	11	—	—	—	—	—	—	—	—	—	—	11
1984-85	63	121	5	—	25	—	—	—	—	—	—	—	214
1985-86	—	—	—	—	—	—	—	—	79	11	2	—	92
1986-87	—	—	—	—	—	—	—	—	—	12	2	—	14
1987-88	—	12	2	—	—	—	—	—	—	—	—	—	14
Arizona													
1983-84	—	—	15	5	10	1	1	1	3	—	—	—	36
1984-85	—	—	2	4	—	2	2	—	—	—	—	—	10
1985-86	—	—	2	2	6	1	—	3	12	2	—	—	28
1986-87	—	6	18	4	22	2	3	2	16	5	2	—	80
1987-88	—	—	11	4	11	—	3	6	4	2	—	—	41
California													
1983-84	69	14	18	22	120	131	110	48	40	50	36	59	717
1984-85	28	14	14	21	37	121	154	63	49	75	58	44	678
1985-86	21	6	9	12	66	79	79	45	71	73	81	5	547
1986-87	—	—	20	15	52	83	118	98	85	76	51	5	603
1987-88	28	10	4	8	34	65	41	13	29	66	63	59	420
Texas													
1983-84	—	—	—	2	—	—	—	—	—	—	—	—	2
1984-85	—	—	—	—	—	—	—	—	—	—	—	—	—
1985-86	—	—	—	—	—	—	—	—	—	—	—	—	—
1986-87	—	—	—	—	—	—	—	—	—	—	—	—	—
1987-88	—	—	—	—	3	—	—	—	—	—	—	—	3
Total													
1983-84	69	25	33	29	130	132	111	49	43	50	36	59	766
1984-85	91	135	21	25	62	123	156	63	49	75	58	44	902
1985-86	21	6	11	14	72	80	79	48	162	86	83	5	667
1986-87	—	6	38	19	74	85	121	100	101	93	55	5	697
1987-88	28	22	17	12	48	65	44	19	33	68	63	59	478

Source: See Page 45, Data Sources, Item 5.

Footnote 2/ for page 32, 1/ for pages 33 and 34. Final Mexican shipments to the U. S. are reported by FAS as a combined total for oranges and tangerines. The total shown on pages 32 through 34 has been broken down proportionally into oranges and tangerines from Plant Quarantine data reported at the time of the crossing. Plant Quarantine releases give separate totals for these two types of citrus. Mexican shipments, through the U.S. to Canada are not included.

ORANGES, TANGELOS AND TEMPLES: Total fresh shipments exported by states of origin, monthly for crop years 1983-84 through 1987-88

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
						1,000 cartons							
Oranges													
Florida													
1983-84	—	—	4	3	3	5	5	10	10	2	—	—	42
1984-85	—	1	2	—	—	—	—	—	5	—	—	—	8
1985-86	—	—	—	—	—	4	58	105	30	—	—	—	197
1986-87	—	—	—	2	—	—	18	224	278	—	—	—	522
1987-88	—	—	8	10	—	—	20	38	57	7	—	—	140
Arizona													
1983-84	—	—	14	17	3	58	360	334	38	—	—	—	824
1984-85	—	—	1	—	—	96	305	307	15	3	—	—	727
1985-86	—	—	—	16	—	3	403	255	98	24	—	—	799
1986-87	—	7	25	13	19	79	384	383	104	1	—	—	1,015
1987-88	—	—	23	13	3	6	406	422	81	6	—	—	960
California													
1983-84	1,348	1,418	1,069	1,204	1,799	1,484	1,557	1,177	2,570	2,072	892	916	17,506
1984-85	861	557	911	1,131	1,434	1,464	1,462	1,574	2,771	2,564	1,498	1,553	17,780
1985-86	1,230	1,125	1,164	832	1,418	1,104	1,402	1,735	2,704	2,153	1,671	5	16,543
1986-87	680	691	1,194	855	1,289	1,499	1,213	1,409	3,331	1,960	1,798	1,060	16,979
1987-88	969	587	595	738	1,550	896	1,022	1,808	2,838	1,999	1,344	1,215	15,561
Total 1/													
1983-84	1,348	1,418	1,087	1,224	1,805	1,547	1,922	1,521	2,618	2,074	892	916	18,372
1984-85	861	558	914	1,131	1,434	1,560	1,767	1,881	2,791	2,567	1,498	1,553	18,515
1985-86	1,230	1,125	1,164	848	1,418	1,111	1,863	2,095	2,832	2,177	1,671	5	17,539
1986-87	680	698	1,219	870	1,308	1,578	1,615	2,016	3,713	1,961	1,798	1,060	18,516
1987-88	969	587	626	761	1,553	902	1,448	2,268	2,976	2,012	1,344	1,215	16,661
Tangelos: Florida													
1983-84	—	—	—	—	—	—	—	—	—	—	—	—	—
1984-85	—	—	—	—	—	—	—	—	—	—	—	—	—
1985-86	—	—	—	—	—	—	—	—	—	—	—	—	—
1986-87	—	—	—	—	—	—	—	—	—	—	—	—	—
1987-88	—	—	—	—	1	—	—	—	—	—	—	—	1
Temples: Florida													
1983-84	—	—	—	—	—	—	—	—	—	—	—	—	—
1984-85	—	—	—	—	—	—	—	—	—	—	—	—	—
1985-86	—	—	—	—	—	—	—	—	—	—	—	—	—
1986-87	—	—	—	—	—	—	—	—	—	—	—	—	—
1987-88	—	—	—	—	2	38	12	—	—	—	—	—	52

1/ Includes small quantity from Texas.

Source: See Page 45, Data Sources, Item 5.

GRAPEFRUIT AND TANGERINES: Total fresh shipments exported by states of origin, monthly for crop years 1983-84 through 1987-88

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
						1,000 cartons							
Grapefruit													
Florida													
1983-84	44	880	818	762	1,251	1,542	2,482	1,916	373	3	—	—	10,071
1984-85	5	789	727	797	1,049	651	873	517	88	—	—	—	5,496
1985-86	63	1,675	780	762	1,900	1,551	2,369	1,770	199	—	—	—	11,069
1986-87	8	1,520	1,497	923	2,073	3,117	3,085	2,588	508	33	—	—	15,352
1987-88	—	1,180	1,560	1,478	2,924	3,479	4,052	3,943	1,582	7	—	—	20,205
Arizona													
1983-84	—	—	—	—	—	—	—	3	26	16	—	—	45
1984-85	—	—	—	—	3	—	3	—	13	8	—	—	27
1985-86	—	—	5	—	5	—	—	—	8	—	2	—	20
1986-87	—	—	—	—	3	—	5	—	5	—	—	—	13
1987-88	—	—	—	—	—	—	—	—	3	5	—	—	8
California													
1983-84	23	—	—	—	—	—	3	3	11	26	41	61	168
1984-85	34	—	—	—	—	—	5	3	18	18	19	18	115
1985-86	3	—	3	—	—	3	—	—	8	30	40	—	87
1986-87	—	—	—	—	3	—	—	—	—	3	—	—	6
1987-88	3	—	—	—	—	—	—	—	3	—	8	—	14
Texas													
1983-84	—	46	340	218	4	—	—	—	—	—	—	—	608
1984-85	—	—	—	—	—	—	—	—	—	—	—	—	—
1985-86	—	—	—	1	—	—	—	—	—	—	—	—	1
1986-87	—	—	2	—	—	—	—	—	—	—	—	—	2
1987-88	—	9	84	6	26	53	7	—	—	—	—	—	185
Total													
1983-84	67	926	1,158	980	1,255	1,542	2,485	1,922	410	45	41	61	10,892
1984-85	39	789	727	797	1,052	651	881	520	119	26	19	18	5,638
1985-86	66	1,675	788	763	1,905	1,554	2,369	1,770	215	30	42	—	11,177
1986-87	8	1,520	1,499	923	2,079	3,117	3,090	2,588	513	36	—	—	15,373
1987-88	3	1,189	1,644	1,484	2,950	3,532	4,059	3,943	1,588	12	8	—	20,412
Tangerines: Florida													
1983-84	—	—	5	7	8	12	12	1	—	—	—	—	45
1984-85	—	—	—	—	—	—	—	—	—	—	—	—	—
1985-86	—	—	—	—	—	2	2	—	—	—	—	—	4
1986-87	—	—	—	—	—	—	—	—	—	—	—	—	—
1987-88	—	—	—	—	—	2	9	1	—	—	—	—	12

Source: See Page 45, Data Sources, Item 5.

CITRUS: U.S. fresh exports, by months, 1987-88

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
							1,000 cartons						
Oranges 1/													
Japan	169	326	175	287	229	374	844	1,201	1,053	555	496	269	5,978
Canada	294	457	480	535	552	542	484	416	244	216	226	234	4,680
Hong Kong	174	114	142	557	229	377	423	416	422	272	275	324	3,725
Singapore	16	7	25	21	47	76	84	76	50	68	46	33	549
Malaysia	--	--	7	36	29	64	68	77	35	33	21	20	390
Australia	--	8	49	49	88	15	--	2	1	--	--	--	212
New Zealand	--	--	4	34	24	41	51	36	1	--	--	--	191
Taiwan	--	--	--	1	--	--	12	129	28	3	17	--	190
Mexico	5	2	--	1	1	--	2	4	7	35	59	14	130
Netherlands	--	--	--	6	37	21	14	20	10	5	8	7	128
Others	1	2	2	1	16	9	18	42	25	16	8	11	151
Total	659	916	884	1,528	1,252	1,519	2,000	2,419	1,876	1,203	1,156	912	16,324
Grapefruit													
Japan	532	829	545	1,057	2,483	2,191	1,994	1,363	780	919	479	120	13,292
France	192	427	282	496	447	551	609	353	2	--	38	31	3,428
Canada	136	242	251	229	213	210	210	185	136	83	74	64	2,033
Taiwan	1	9	4	10	106	149	319	797	177	51	107	33	1,763
Netherlands	87	128	150	185	213	183	229	155	38	31	70	31	1,500
West Germany	26	197	105	166	150	163	87	97	--	--	--	1	992
Belgium-Luxembourg	11	38	25	369	31	132	194	73	--	2	2	4	881
United Kingdom	14	90	49	84	63	108	102	94	4	--	2	2	612
Italy	3	44	25	41	45	42	91	52	--	--	--	--	343
Korea	2	5	6	12	11	13	29	76	10	16	21	7	208
Hong Kong	3	13	24	15	5	9	18	25	26	3	4	20	165
Sweden	2	3	15	8	5	8	11	30	3	1	3	1	90
Switzerland	4	10	5	5	17	11	6	9	--	--	--	--	67
Others	1	16	11	11	7	9	16	12	3	6	6	1	99
Total	1,014	2,051	1,497	2,683	3,796	3,779	3,915	3,321	1,179	1,112	806	315	25,473
Tangerines													
Canada	20	72	59	96	90	66	27	23	2	--	6	6	467
Hong Kong	--	1	26	59	18	3	2	18	27	15	--	--	169
Netherlands	--	--	--	1	26	16	--	--	--	--	--	1	44
France	--	--	--	--	22	1	--	--	--	--	--	--	23
West Germany	--	--	--	--	11	6	--	--	--	--	--	--	17
Taiwan	--	--	--	--	--	--	9	7	--	--	--	--	16
United Kingdom	--	--	--	--	6	2	--	--	--	--	--	1	9
New Zealand	--	--	--	2	--	--	--	--	--	--	--	--	2
Others	--	1	--	--	5	1	--	--	--	--	--	--	7
Total	20	74	85	158	178	95	38	48	29	15	6	8	754

1/ Does not include Temples. Source: See Page 45, Data Sources, Item 6.

FLORIDA CITRUS: Certified citrus exports, crop years 1980-81 through 1987-88 1/

Crop year	Oranges: Commercial	Oranges: Government	Oranges: Total	Grapefruit: Commercial	Grapefruit: Government	Grapefruit: Total	Specialty fruit: Commercial	Specialty fruit: Government	Specialty fruit: Total	Grand total
					1,000 cartons					
1980-81	271	36	307	10,226	14	10,240	42	---	42	10,589
1981-82	167	11	178	9,922	12	9,934	32	---	32	10,144
1982-83	286	15	301	9,515	8	9,523	69	---	69	9,893
1983-84	26	16	42	9,938	14	9,952	44	---	44	10,038
1984-85	8	2	10	5,658	6	5,664	---	---	---	5,674
1985-86	202	---	202	11,078	---	11,078	4	---	4	11,284
1986-87	382	---	382	15,479	3	15,482	---	---	---	15,864
1987-88	139	---	139	20,663	13	20,676	76	--	76	20,891

1/ Shipments certified in Florida for export to foreign countries other than Canada and Mexico. Source: See Page 45, Data Sources, Item 7.

FLORIDA CITRUS: Certified citrus exports by weeks, crop year 1987-88 1/

Week ended	Oranges			Grapefruit			Specialty fruit		
	Commercial	Government	Total	Commercial	Government	Total	Commercial	Government	Total
	1,000 cartons								
Sep 6	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---
Oct 4	---	---	---	1	---	1	---	---	---
11	---	---	---	45	---	45	---	---	---
18	---	---	---	83	---	83	---	---	---
25	---	---	---	511	---	511	---	---	---
Nov 1	---	---	---	621	---	621	---	---	---
8	---	---	---	355	---	355	---	---	---
15	---	---	---	531	---	531	---	---	---
22	1	---	1	534	1	535	---	---	---
29	7	---	7	206	---	206	---	---	---
Dec 6	---	---	---	221	---	221	---	---	---
13	---	---	---	156	1	157	---	---	---
20	1	---	1	624	---	624	---	---	---
27	---	---	---	171	1	172	---	---	---
Jan 3	---	---	---	427	1	428	---	---	---
10	---	---	---	704	1	705	---	---	---
27	---	---	---	748	---	748	1	---	1
24	---	---	---	766	1	767	---	---	---
31	---	---	---	739	---	739	7	---	7
Feb 7	---	---	---	897	---	897	14	---	14
14	---	---	---	862	1	863	8	---	8
21	---	---	---	814	---	814	14	---	14
28	---	---	---	788	1	789	12	---	12
Mar 6	5	---	5	948	1	949	5	---	5
13	4	---	4	783	---	783	8	---	8
20	2	---	2	850	1	851	2	---	2
27	10	---	10	950	---	950	2	---	2
Apr 3	2	---	2	941	1	942	2	---	2
10	16	---	16	1,130	1	1,131	1	---	1
17	5	---	5	907	1	908	---	---	---
24	6	---	6	1,023	---	1,023	---	---	---
May 1	9	---	9	752	---	752	---	---	---
8	29	---	29	693	---	693	---	---	---
15	26	---	26	499	---	499	---	---	---
22	5	---	5	283	---	283	---	---	---
29	3	---	3	92	---	92	---	---	---
Jun 5	3	---	3	5	---	5	---	---	---
12	2	---	2	1	---	1	---	---	---
19	3	---	3	2	---	2	---	---	---
26	---	---	---	---	---	---	---	---	---
Jul total	---	---	---	---	---	---	---	---	---
Aug total	---	---	---	---	---	---	---	---	---
Total	139	---	139	20,663	13	20,676	76	---	76

1/ Shipments certified in Florida for export to foreign countries other than Canada and Mexico.

Source: See Page 45, Data Sources, Item 7.

CITRUS: Per capita consumption, fresh weight equivalent, United States, 1972 through 1987

Year	Citrus fruit consumed in fresh form							All citrus processed	Total citrus
	Oranges 1/	Grape-fruit	Tan-gerines	Tan-gelos	Lemons	Limes	Total fresh		
	Pounds								
1972	14.5	8.6	1.6	.7	1.9	.2	27.5	75.2	102.7
1973	14.5	8.5	1.7	.6	1.9	.2	27.4	75.1	102.5
1974	14.4	8.2	1.9	.7	2.0	.2	27.4	80.0	107.4
1975	15.9	8.3	2.0	1.0	2.0	.2	29.4	89.3	118.7
1976	14.7	9.2	2.0	.9	1.9	.3	29.0	88.1	117.1
1977	13.5	7.7	1.8	.9	2.1	.3	26.3	88.8	115.1
1978	13.5	8.3	1.6	.8	2.1	.3	26.6	80.9	107.5
1979	12.6	7.6	1.6	.7	2.0	.2	24.7	83.7	108.4
1980	15.8	8.0	2.0	.7	2.0	.4	28.9	83.7	112.6
1981	13.6	6.9	1.3	.8	2.0	.4	25.0	79.4	104.4
1982	12.7	7.5	1.3	.7	2.1	.4	24.7	84.6	109.3
1983	16.1	8.1	1.4	.7	2.4	.6	29.3	90.6	119.9
1984	12.8	6.3	1.4	.6	2.3	.6	24.0	78.9	102.9
1985	12.4	5.7	1.7	.5	2.4	.7	23.4	85.7	109.1
1986	14.6	6.6	2.6	.5	2.5	.7	27.5	90.5	118.0
1987	14.3	6.7	3.5	.5	2.6	.6	28.2	86.7	114.9

1/ Includes Temples.
Source: See Page 45, Data Sources, Item 10.

CITRUS: Florida fresh exports, 1986-87 and 1987-88 crop years

Country	Grapefruit		Oranges 1/		Tangerines		Total	
	1986-87	1987-88	1986-87	1987-88	1986-87	1987-88	1986-87	1987-88
	1,000 cartons							
Japan	8,916	10,942	243	26	---	---	9,159	10,968
France	3,503	3,287	24	1	---	1	3,527	3,289
Belgium	510	1,508	31	3	---	---	541	1,511
Holland	1,185	1,424	48	67	---	1	1,233	1,492
Taiwan	256	1,061	32	32	---	1	288	1,094
West Germany	390	996	1	3	---	1	391	1,000
England	335	664	1	38	---	---	336	702
Italy	234	366	---	---	---	---	234	366
South Korea	36	158	---	---	---	---	36	158
Sweden	40	103	---	3	---	---	40	106
Switzerland	38	63	---	---	---	---	38	63
Hong Kong	23	55	---	2	---	---	23	57
Puerto Rico	---	4	---	19	---	9	---	32
Singapore	7	13	2	3	---	---	9	16
Finland	2	7	---	---	---	---	2	7
United Kingdom	3	6	---	---	---	---	3	6
Virgin Islands	---	1	---	4	---	1	---	6
Bulgaria	---	4	---	---	---	---	---	4
North Ireland	---	3	---	---	---	---	---	3
Ivory Coast	---	2	---	---	---	---	---	2
Indonesia	---	2	---	---	---	---	---	2
Iceland	---	2	---	---	---	---	---	2
French Guiana	---	1	---	---	---	---	---	1
Ireland	---	1	---	---	---	---	---	1
Tanzania	1	1	---	---	---	---	1	1
Ecuador	---	1	---	---	---	---	---	1
Bahama Islands	---	1	---	---	---	---	---	1
Great Britain	2	---	---	---	---	---	2	---
Norway	1	---	---	---	---	---	1	---
Total	15,482	20,676	382	201	0	14	15,864	20,891

1/Includes Temples in 1987-88.
Source: See Page 45, Data Sources, Item 7.

FLORIDA CITRUS: Boxes of fruit processed by weeks, crop years 1986-87 and 1987-88

Week ended	Oranges		Grapefruit		Temples	
	1986-87	1987-88	1986-87	1987-88	1986-87	1987-88
	1,000 boxes					
Sep 6	---	---	---	---	---	---
13	---	---	---	---	---	---
20	---	---	1	---	---	---
27	---	---	3	---	---	---
Oct 4	1	1	17	2	---	---
11	10	3	61	7	---	---
18	29	5	170	42	---	---
25	82	19	287	122	---	---
Nov 1	95	78	324	204	---	---
8	143	106	340	204	---	---
15	350	165	440	232	---	---
22	621	310	511	269	---	---
29	559	240	381	182	---	---
Dec 6	2,218	1,436	756	376	---	---
13	3,904	2,932	963	435	---	---
20	6,034	5,159	1,085	623	---	---
27	2,465	2,853	370	293	---	---
Jan 3	5,031	5,820	907	570	2	10
10	5,707	6,002	1,108	735	24	27
17	6,298	6,612	1,032	787	64	50
24	5,719	6,559	1,081	811	80	57
31	6,057	6,732	1,317	888	96	83
Feb 7	4,979	6,163	1,759	1,457	124	121
14	4,239	5,753	1,892	1,382	184	185
21	2,702	5,814	1,764	1,467	292	320
28	2,002	4,524	2,149	1,878	433	420
Mar 6	966	3,227	2,250	2,307	354	421
13	736	1,499	2,091	2,901	237	326
20	714	913	1,610	3,006	199	130
27	1,012	1,031	1,243	2,667	108	62
Apr 3	1,975	1,214	816	1,653	58	17
10	3,636	2,180	630	1,225	32	12
17	4,405	4,085	424	955	33	2
24	5,410	5,161	300	844	14	2
May 1	5,543	5,496	243	606	6	5
8	5,294	6,029	199	492	1	2
15	4,542	5,816	98	391	1	1
22	4,839	5,794	60	279	---	---
29	4,220	4,516	49	200	4	---
Jun 5	3,493	4,402	30	83	---	1
12	2,698	3,487	22	51	1	---
19	1,274	3,217	12	27	---	1
26	415	1,856	7	14	---	---
Jul 3	213	847	9	18	---	---
10	70	180	2	3	---	1
17	31	77	2	3	---	---
31	25	75	5	6	---	1
Aug total	74	92	42	43	---	1
Total	110,830	128,480	28,862	30,740	2,347	2,258

Source: See Page 45, Data Sources, Item 7.

(Continued)

FLORIDA CITRUS: Boxes of fruit processed by weeks, crop years 1986-87 and 1987-88 (Continued)

Week ended		Tangelos		Tangerines 1/		Honey Tangerines		K-Early	
		1986-87	1987-88	1986-87	1987-88	1986-87	1987-88	1986-87	1987-88
					1,000 boxes				
Sep	6	---	---	---	---	---	---	---	---
	13	---	---	---	---	---	---	---	---
	20	---	---	---	---	---	---	---	---
	27	---	---	---	---	---	---	---	---
Oct	4	---	---	---	---	---	---	3	---
	11	1	---	4	---	---	---	8	8
	18	3	1	10	1	---	---	12	11
	25	8	7	15	9	---	---	12	16
Nov	1	22	14	14	19	---	---	6	8
	8	37	16	19	13	---	---	4	4
	15	73	38	19	15	---	---	---	2
	22	122	86	23	21	---	---	1	4
	29	88	59	19	15	---	---	---	1
Dec	6	184	127	30	33	---	---	---	1
	13	258	192	51	53	---	---	---	---
	20	293	228	58	60	---	---	---	---
	27	110	131	8	15	---	---	---	---
Jan	3	273	265	29	36	---	---	---	1
	10	355	327	42	46	---	2	---	---
	17	270	351	54	36	13	5	---	---
	24	177	338	35	33	27	29	---	---
	31	167	235	27	18	40	36	---	---
Feb	7	83	179	19	15	36	31	---	---
	14	62	111	8	13	58	30	---	---
	21	46	56	1	8	33	37	---	---
	28	28	27	---	12	39	40	---	---
Mar	6	13	6	---	---	36	31	---	---
	13	8	7	1	1	36	34	---	---
	20	3	1	---	---	28	25	---	---
	27	2	2	---	---	19	21	---	---
Apr	3	2	---	---	---	7	11	---	---
	10	2	1	---	---	8	9	---	---
	17	---	---	---	---	6	8	---	---
	24	---	---	---	---	1	3	---	---
May	1	---	---	---	---	1	2	---	---
	8	---	---	---	---	2	5	---	---
	15	---	---	---	---	1	4	---	---
	22	---	---	---	---	1	---	---	---
	29	---	---	---	---	---	---	---	---
Jun	5	---	---	---	---	---	---	---	---
	12	---	---	---	---	---	---	---	---
	19	---	---	---	---	---	---	---	---
	26	---	---	---	---	---	---	---	---
Jul	3	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	17	---	---	---	---	---	---	---	---
	31	---	---	---	---	---	1	---	---
Aug	total	---	---	---	---	---	---	---	---
Total		2,690	2,805	486	472	392	364	46	56

1/ Robinson and Dancy varieties.

Source: See Page 45, Data Sources, Item 8.

FLORIDA CITRUS: Distribution of recorded utilization, by types, by months, crop years 1984-85 through 1987-88

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
						Percent							
Fresh orange shipments													
1984-85	---	---	25	29	12	6	8	8	9	3	---	---	100
1985-86	---	---	19	25	10	9	11	11	9	6	---	---	100
1986-87	---	---	18	25	11	5	13	11	11	6	---	---	100
1987-88	---	---	18	26	11	7	12	11	11	4	---	---	100
Processed orange usage													
1984-85	---	---	2	10	25	25	10	12	13	3	---	---	100
1985-86	---	---	2	12	24	15	7	16	18	6	---	---	100
1986-87	---	---	2	15	23	14	3	17	19	7	---	---	100
1987-88	---	---	---	14	21	18	6	13	18	10	---	---	100
Fresh grapefruit shipments													
1984-85	---	12	14	15	18	11	15	11	4	---	---	---	100
1985-86	---	13	11	12	16	14	16	14	4	---	---	---	100
1986-87	---	10	11	12	14	16	17	15	5	---	---	---	100
1987-88	---	7	11	12	14	14	17	16	9	---	---	---	100
Processed grapefruit usage													
1984-85	---	2	5	8	12	25	33	12	3	---	---	---	100
1985-86	---	4	8	12	15	23	26	11	1	---	---	---	100
1986-87	---	3	6	13	17	26	26	8	1	---	---	---	100
1987-88	---	---	4	7	11	21	38	14	5	---	---	---	100
Fresh tangerine 1/ shipments													
1984-85	---	26	32	36	6	---	---	---	---	---	---	---	100
1985-86	---	20	30	39	11	---	---	---	---	---	---	---	100
1986-87	---	13	27	40	20	---	---	---	---	---	---	---	100
1987-88	---	13	24	45	18	---	---	---	---	---	---	---	100
Fresh Honey Tangerine shipments													
1984-85	---	---	---	---	41	23	36	---	---	---	---	---	100
1985-86	---	---	---	---	30	29	31	8	2	---	---	---	100
1986-87	---	---	---	---	15	38	36	11	---	---	---	---	100
1987-88	---	---	---	---	19	38	35	8	---	---	---	---	100
Fresh tangelo shipments													
1984-85	---	6	27	45	18	4	---	---	---	---	---	---	100
1985-86	---	4	25	48	19	4	---	---	---	---	---	---	100
1986-87	---	---	23	46	24	7	---	---	---	---	---	---	100
1987-88	---	---	25	51	21	3	---	---	---	---	---	---	100
Fresh Temple shipments													
1984-85	---	---	---	---	71	21	8	---	---	---	---	---	100
1985-86	---	---	---	---	54	29	13	4	---	---	---	---	100
1986-87	---	---	---	---	46	37	15	2	---	---	---	---	100
1987-88	---	---	---	---	44	43	13	---	---	---	---	---	100

1/ Robinson and Dancy varieties.

CITRUS FRUIT: Production, by selected countries, principal types, crop years 1983-84 through 1987-88

Country	Crop years				
	1983-84	1984-85	1985-86	1986-87	1987-88 1/
	1,000 metric tons 2/				
Oranges 3/					
Brazil	9,588	11,715	11,015	10,975	11,340
United States	6,691	6,241	6,912	7,158	7,949
Spain	2,077	1,365	1,942	2,023	2,181
Mexico	1,300	1,000	1,410	1,480	1,720
Italy	2,299	1,960	2,257	2,260	1,600
Egypt	1,243	1,182	1,168	1,235	1,300
Morocco	747	686	841	650	814
Israel	962	941	685	861	700
South Africa 4/	512	486	497	625	625
Turkey	730	760	505	700	600
Argentina	500	653	623	630	600
Australia	488	489	494	470	546
Greece	691	775	554	881	460
Cuba	385	408	390	410	440
Gaza	135	140	142	181	168
Cyprus	194	155	156	164	155
Total	28,542	28,956	29,591	30,703	31,198
Grapefruit					
United States	1,974	2,046	2,122	2,323	2,541
Israel	402	375	371	385	280
Cuba	150	155	237	220	220
Argentina	147	157	178	160	150
South Africa 4/	89	102	99	121	115
Total	2,762	2,835	3,007	3,209	3,306
Lemons					
United States	732	889	632	986	776
Italy	855	744	800	813	630
Spain	523	325	482	645	544
Argentina	320	360	450	440	370
Turkey	230	240	180	250	220
Total	2,660	2,558	2,544	3,134	2,540
Tangerines					
Japan 5/	3,239	2,344	2,870	2,542	2,935
Spain	1,263	947	1,050	1,166	1,000
Brazil 6/	530	668	486	479	470
United States 7/	336	273	290	363	343
Italy	470	360	500	548	331
Turkey	230	219	257	300	310
Morocco 8/	243	244	347	290	303
Argentina	244	241	243	260	200
Mexico	112	67	123	131	151
Israel	104	99	123	132	130
Egypt	106	104	106	117	125
Total	6,877	5,566	6,395	6,328	6,298

1/ Forecast. 2/ One metric ton is equivalent to 2,204.6 pounds. 3/ Includes tangerines and Temples in some countries. 4/ Includes some fruit produced in Swaziland, Botswana, and Mozambique which is marketed through the South African Citrus Board. 5/ Mainly satsumas but also including mandarin hybrids. 6/ State of Sao Paulo only, which apparently accounts for over one-half of Brazil's production. About 120,000 tons of tangerines which are processed are included in the orange table. 7/ Includes tangelos, which account for about half of the total production. 8/ Clementines only.

Source: See Page 45, Data Sources, Item 6.

DATA SOURCES

All data in this summary are official statistics of United States Department of Agriculture issued by the National Agricultural Statistics Service, except when another source is shown.

1. United States Department of Commerce
   Federal-State Agricultural Weather Service
   1408 24th Street, S. E.
   Ruskin, Florida 33570

2. Hume, H. Harold, The Cultivation of Citrus Fruits
   (New York: The Macmillan Co., 1926) - Data for
   1886-87 through 1908-09

3. Florida Citrus Processors Association
   P. O. Box 780
   Winter Haven, Florida 33880

4. Arizona Agricultural Statistics Service
   201 East Indianola, Suite 250
   Phoenix, Arizona 85012

   California Agricultural Statistics Service
   P. O. Box 1258
   Sacramento, California 95806

   Texas Agricultural Statistics Service
   P. O. Box 70
   Austin, Texas 78767

5. United States Department of Agriculture
   Agricultural Marketing Service
   Washington, D. C. 20250

6. United States Department of Agriculture
   Foreign Agricultural Service
   Washington, D. C. 20250

7. Florida Department of Agriculture and Consumer Services
   Division of Fruit and Vegetable Inspection
   P. O. Box 1072
   Winter Haven, Florida 33880

8. Citrus Administrative Committee
   P. O. Box R
   Lakeland, Florida 33802

9. Florida Citrus Mutual
   302 S. Mass. Ave.
   P. O. Box 89
   Lakeland, Florida 33802

10. United States Department of Agriculture
    Economic Research Service
    Washington, D. C. 20250

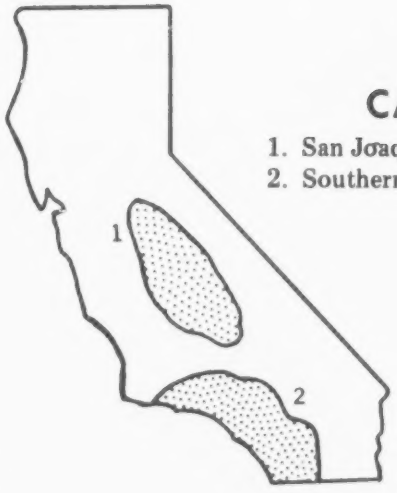
OTHER STATES' CITRUS PRODUCTION AREAS AS OF 1987
(States not drawn to scale)

ARIZONA

1. Western 22,800 acres
2. Central 13,000 acres

CALIFORNIA

1. San Joaquin Valley 150,700 acres
2. Southern California 115,600 acres



TEXAS

1. Lower Rio Grande Valley 30,400 acres

This public document was promulgated at an annual cost of $ 6,983.16, or $ 1.94 per copy, to the State of Florida. It is published to inform citrus growers and others of trends in Florida citrus production. M89T6

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National Agricultural Statistics Service
1222 Woodward Street, Orlando, Florida 32803

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Florida Agricultural Statistics

Vegetable Summary 1987-1988

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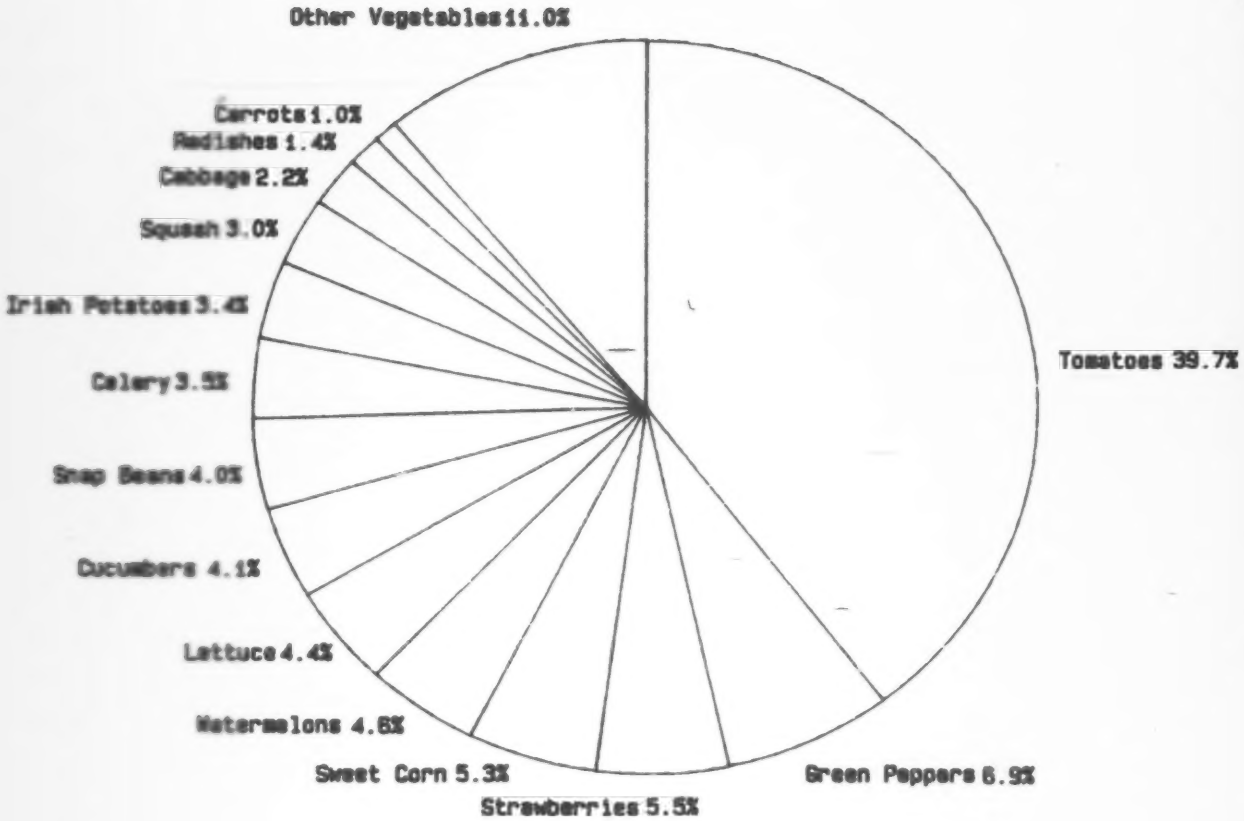
1222 Woodward Street
Orlando, Florida 32803



FLORIDA VEGETABLES

Distribution of Crop Values, 1987-88 Season

FLORIDA AGRICULTURAL STATISTICS

Vegetable Summary

Florida Department of Agriculture
and Consumer Services
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and
National Agricultural Statistics Service

University of Florida
Institute of Food & Agricultural Sciences
Agricultural Experiment Stations
Department of Food & Resource Economics

ACKNOWLEDGMENT

The acreage, production, and value statistics in this bulletin are official State and USDA estimates prepared by the Florida Agricultural Statistics Service. The county and area detail were made possible by the participation of the Department of Food and Resource Economics, University of Florida, in the estimating program. The Bureau of State Farmers' Markets, Florida Department of Agriculture, and the County Extension Agents, University of Florida, Cooperative Extension Service, were also very helpful in supplying area and county information. Shipment statistics were provided by the Market News Section of the Florida Department of Agriculture and the USDA Agricultural Marketing Service.

Grower organizations have provided valuable assistance and data throughout the season. These groups include the Florida Celery Committee, Florida Tomato Committee, Florida Sweet Corn Exchange, South Florida Vegetable Exchange, Zellwood Sweet Corn Exchange, and North Florida Growers Exchange. Sales agencies and transportation firms provided additional inputs needed to complete the statistical story.

Foremost, the growers, shippers, and processors volunteered most of the basic data used in developing these statistics. The public spirited cooperation of these individuals and groups is appreciated.

Fieldmen Larry Amlong, Palmetto; James Holloway, Parrish; E. J. Hutchins, Deerfield Beach; Charles Robertson, Homestead; and James Spires of Immokalee collected much of the basic acreage, production, and price statistics in this bulletin. This report was assembled under the direction of Wade Adams, Bill Erwin, and Shirley Zonner of the Florida Agricultural Statistics Service and H. B. Buchanan, Market News Section. The authors also wish to thank Ray Crickenberger, Marcelo Diaz, Kitty Hildreth, Pat Quittence, Tommy Scherer, Pat Todd, and others of the Florida Agricultural Statistics Service who assisted in compiling and preparing this report.

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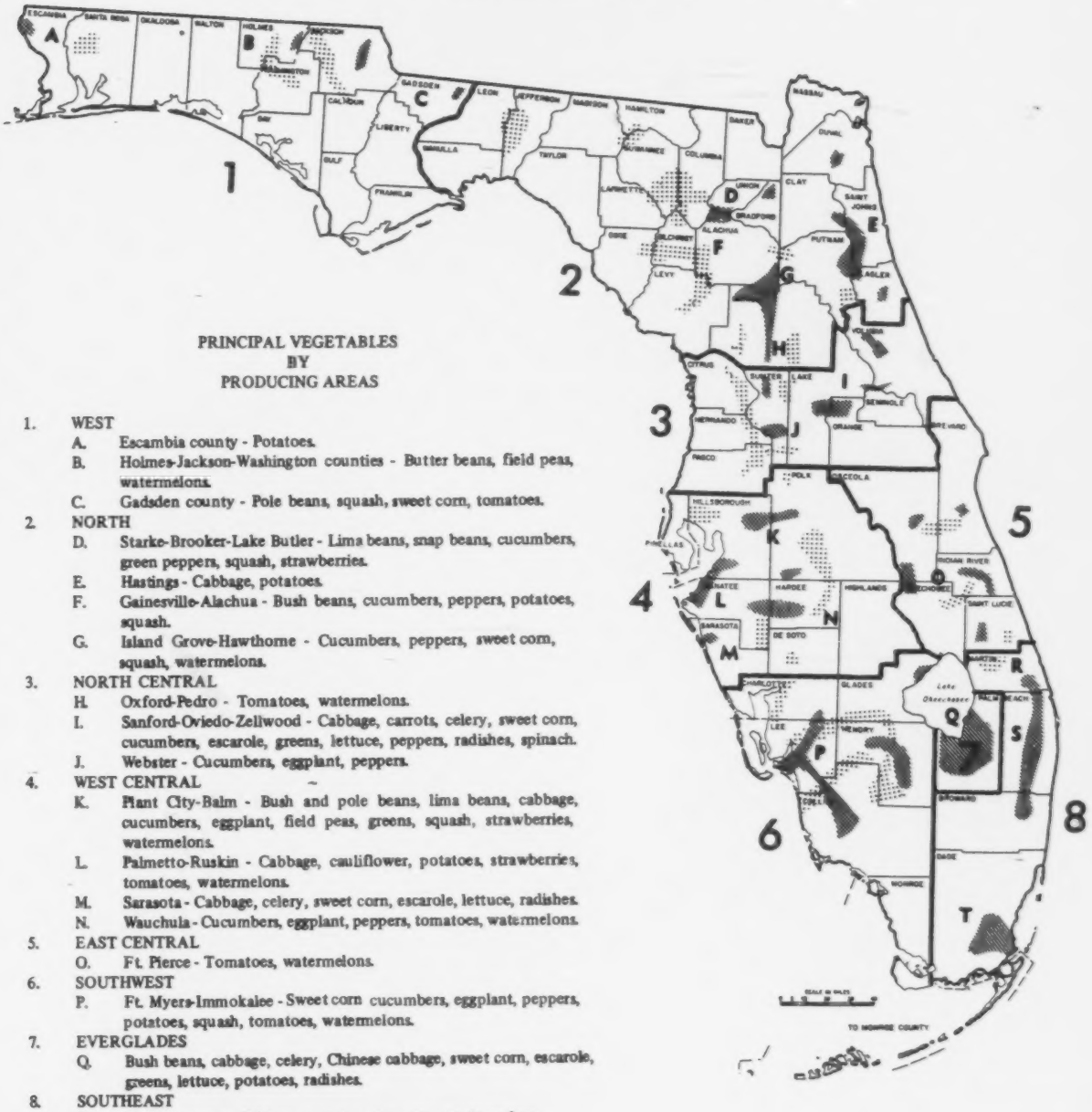
Published April 1989

FLORIDA



PRINCIPAL VEGETABLES
BY
PRODUCING AREAS

1. WEST
   - A. Escambia county - Potatoes.
   - B. Holmes-Jackson-Washington counties - Butter beans, field peas, watermelons.
   - C. Gadsden county - Pole beans, squash, sweet corn, tomatoes.
2. NORTH
   - D. Starke-Brooker-Lake Butler - Lima beans, snap beans, cucumbers, green peppers, squash, strawberries.
   - E. Hastings - Cabbage, potatoes.
   - F. Gainesville-Alachua - Bush beans, cucumbers, peppers, potatoes, squash.
   - G. Island Grove-Hawthorne - Cucumbers, peppers, sweet corn, squash, watermelons.
3. NORTH CENTRAL
   - H. Oxford-Pedro - Tomatoes, watermelons.
   - I. Sanford-Oviedo-Zellwood - Cabbage, carrots, celery, sweet corn, cucumbers, escarole, greens, lettuce, peppers, radishes, spinach.
   - J. Webster - Cucumbers, eggplant, peppers.
4. WEST CENTRAL
   - K. Plant City-Balm - Bush and pole beans, lima beans, cabbage, cucumbers, eggplant, field peas, greens, squash, strawberries, watermelons.
   - L. Palmetto-Ruskin - Cabbage, cauliflower, potatoes, strawberries, tomatoes, watermelons.
   - M. Sarasota - Cabbage, celery, sweet corn, escarole, lettuce, radishes.
   - N. Wauchula - Cucumbers, eggplant, peppers, tomatoes, watermelons.
5. EAST CENTRAL
   - O. Ft. Pierce - Tomatoes, watermelons.
6. SOUTHWEST
   - P. Ft. Myers-Immokalee - Sweet corn cucumbers, eggplant, peppers, potatoes, squash, tomatoes, watermelons.
7. EVERGLADES
   - Q. Bush beans, cabbage, celery, Chinese cabbage, sweet corn, escarole, greens, lettuce, potatoes, radishes.
8. SOUTHEAST
   - R. Martin county - Cabbage, potatoes, tomatoes, watermelons.
   - S. Pompano - Bush beans, lima beans, sweet corn, cucumbers, eggplant, peppers, squash, tomatoes.
   - T. Homestead - Bush and pole beans, cabbage, sweet corn, cucumbers, potatoes, squash, strawberries, tomatoes.

Commercial Vegetables Watermelons

Florida: Usual dates for planting and harvesting vegetables, melons, potatoes, and strawberries

Crop	Planting	Usual Harvest Dates		
	Dates 1/	Begins	Most active	Ends
Snap Beans 2/	Aug 15 - Apr 1	Oct 15	Nov 1 - May 1	Jun 15
Cabbage	Sep 1 - Mar 15	Oct 25	Jan 1 - Apr 15	Jun 15
Carrots	Aug 15 - Feb 15	Nov 1	Dec 15 - May 25	June 10
Cantaloups	Jan 15 - Mar 15	Mar 10	May 15 - Jun 20	Jul 10
Cauliflower	Sep 15 - Jan 1	Dec 15	Jan 1 - Mar 15	Apr 15
Celery	Aug 1 - Apr 15	Oct 25	Dec 15 - Jun 1	Jul 10
Chinese Cabbage	Sep 1 - Apr 1	Oct 20	Nov 15 - May 15	Jun 1
Sweet Corn	Jul 25 - May 10	Sep 25	Nov 15 - Jun 15	Jun 15
Cucumbers	Aug 1 - Apr 1	Sep 20	Nov 1 - Dec 15 Apr 20 - Jun 1	Jul 1
Eggplant	Jul 15 - Apr 1	Oct 1	Nov 15 - Jul 1	Aug 1
Escarole and Endive	Aug 25 - Apr 1	Oct 20	Nov 15 - May 25	Jun 1
Lettuce and Romaine	Aug 25 - Apr 1	Oct 20	Dec 1 - May 1	Jun 1
Parsley	Aug 25 - Apr 1	Oct 20	Nov 15 - May 25	Jun 1
Green Peppers	Aug 1 - Mar 15	Oct 20	Nov 15 - Jun 15	Jul 1
Potatoes	Sep 15 - Mar 1	Dec 26	Feb 1 - Jun 1	Jul 1
Radishes	Sep 1 - May 15	Sep 20	Nov 15 - May 1	Jun 15
Spinach (Proc.)	Nov 1 - Jan 1	Jan 15	Feb 1 - Mar 1	Mar 15
Squash 3/	Aug 15 - Apr 1	Sep 1	Nov 15 - May 15	Jul 1
Strawberries	Oct 1 - Nov 15	Dec 15	Feb 1 - Apr 1	May 15
Tomatoes	Jul 25 - Mar 15	Oct 15	Nov 15 - Jun 1	Jul 1
Watermelons	Dec 15 - Apr 1	Apr 1	May 1 - Jul 1	Jul 15

1/ Usual date direct seeded or transplanted. 2/ Includes Pole Beans.
3/ A small acreage of summer squash is marketed locally during July and August.

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Summary of Harvested Acreage and Value, 1973-74 through 1987-88	13

Individual Crop Data	Narrative Summary	Acreage, Production and Value	Shipments	Unloads
Snap Beans	3	14	56	67
Cabbage	3	17	57	67
Cantaloups	11	--	--	67
Carrots	4	19	57	68
Cauliflower	11	--	58	68
Celery	4	21	58	68
Chinese Cabbage	4	--	58	69
Sweet Corn	5	23	59	69
Cucumbers	5	26	59	69
Eggplant	6	30	60	70
Escarole-Endive	6	32	60	70
Greens	11	--	60	70
Lettuce	7	34	61	71
Okra	11	--	61	72
Dry Onions	11	--	62	--
Parsley	11	--	62	--
Peas	11	--	64	76
Green Peppers	7	37	62	72-73
Potatoes	8	40	63	73-74
Radishes	9	43	63	74
Spinach	8	--	--	74
Squash	8	44	64	75
Strawberries	9	47	64	75
Tomatoes	10	49	65	75
Cherry Tomatoes	--	--	66	76
Watermelons	10	54	65	76
Other Vegetables	--	--	66	--
Mixed Vegetables	--	--	--	72
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DEFINITIONS AND EXPLANATIONS

SEASONAL GROUPS--During the growing season, estimates were prepared for most crops on a six month seasonal group basis. The periods are for the crop year July-December and January through June. The two six month periods were combined in this publication into a crop year total for all crops. Production sold or utilized is shown by months.

PLANTED ACREAGE is the total acreage which has been planted for harvest during the crop year. Acreage lost and replanted to the same crop in time for harvest in the same quarter is counted only once. Acreage harvested and planted again to the same crop is counted twice.

HARVESTED ACREAGE is the acreage partially or completely harvested. Acreage lost before or at maturity through natural or economic causes is not included in the acreage for harvest.

YIELD is the average production per acre of merchantable quality harvested and sold or utilized.

PRODUCTION is the quantity actually harvested and sold or utilized.

UNIT VALUE for fresh market sales is the equivalent price received, f.o.b. shipping point basis and encompasses all grades and sizes marketed or utilized. Included are packing charges, selling charges, precooling, top ice, or other costs which contribute to the value of the product at shipping point. The value per unit for quantities sold to processors is the average value paid for usable quantities, on a "delivered to plant door" basis. This value includes transportation and other normal costs incident to delivery at plant door.

TOTAL VALUE is the equivalent value of production sold or utilized based on the unit value. Cullage and other quantities not sold or utilized because of natural or economic factors are excluded.

OTHER COUNTIES include harvested acreage for all counties for which either published data would result in the disclosure of individual operations or acreage totals for specific commodities are of minor importance in the State.

All shipments and unloads, rail, truck, air, and boat, are recorded nationally in 10,000 pound units each day. Annual releases are in 1,000 cwt. In this publication, shipments and unloads for some commodities were converted to most common trading units. Rail and piggyback weights and conversion factors were determined by several Market News Service field offices. Mixed car (rail) loadings by stations have been prorated by commodities.

Where possible, the national Market News Service in Washington, D. C. has established a single uniform weight per commodity to be used nationally in converting to weight units for the various means of transportation. Weights per common container used and number of units per rail car or truck may be obtained by writing the MNS office in Winter Park, Florida.

PRODUCTION AND PRICE UNIT--The official USDA vegetable crop estimates are published on a weight basis. For this bulletin, the official estimates for most vegetable crops have been converted to what is believed to be the most commonly used containers. If changes in container weights are necessary, all data pertaining to the production of the commodity in question are revised to maintain comparability between years. The table below gives the net weight used per container and the number of containers per hundredweight for Florida produce.

Most common unit, estimated net weight, and units per hundredweight, Florida produce, 1987-88 crop season

Commodity	Unit	Est. net weight	No. of units per cwt	Commodity	Unit	Est. net weight	No of units per cwt
		Pounds				Pounds	
Snap Beans	Bushel	30	3.333	Lettuce, Romaine	Carton	22	4.545
Cabbage	Crate	50	2.000	Okra	Bushel	30	3.333
Carrots	Sack	48	2.083	Parsley	Crate	21	4.762
Cauliflower	Carton	25	4.000	Green Pepper	Bushel	28	3.571
Celery	Crate	60	1.667	Potatoes	Sack	100	--
Chinese Cabbage	Crate	50	2.000	Radishes	Carton	15	6.667
Sweet Corn	Crate	42	2.381	Squash	Bushel	42	2.381
Cucumbers	Bushel 1 1/9	55	1.818	Strawberries	Flat	12	8.333
Eggplant	Bushel	33	3.030	Tomatoes	Carton	25	4.000
Escarole	Crate	25	4.000	Watermelons	Cwt	100	--
Lettuce, Iceberg	Carton	50	2.000				

SUMMARY OF THE 1987-88 VEGETABLE SEASON

The farm value of Florida-grown vegetables, melons, potatoes, and strawberries sold in the 1987-88 crop year totaled $1.4 billion, just slightly above that of the 1986-87 crop year. Crops increasing in value were snap beans, cabbage, carrots, celery, sweet corn, cucumbers, eggplant, escarole, lettuce, radishes, squash, tomatoes, and strawberries. Crops with lower values than the previous year were green peppers, Irish potatoes, and watermelons. All three crops which showed declines in value had lower season average prices than the previous year and, in fact, were following record setting highs.

Harvested acreage continued to shift among the various crops. Sweet corn, watermelons, and tomatoes showed the largest increases from the previous year with gains of 4200, 3700, and 3500 acres, respectively. Crops showing decreases in harvested acreage included snap beans, 4600 acres; lettuce, 1700 acres, and cucumbers with a reduction of 1250 acres. Other crops with acreage reductions included celery, eggplant, escarole, radishes, and squash.

Yield records were established for a number of crops. These included snap beans, celery, cucumbers, escarole, lettuce, squash, and strawberries. A number of crops, however, had average yields below that of the previous year. These included cabbage, eggplant, and radishes.

Season average prices for snap beans, cucumbers, and eggplant were new records. Carrot, celery, lettuce, and radish prices were also up from the previous year. Season average prices for all other crops estimated were down from a year earlier.

Land preparation, planting, and transplanting for fall crops were underway by mid-July. Daytime temperatures continued hot, generally in the lower to mid-90's, into October. Tropical Storm Floyd brought cooler temperatures and rain to central and southern production areas. There was no serious damage to crops. Temperatures during November were generally at or below normal with a fair amount of precipitation in most areas.

December weather was drier than that of November. Temperatures fluctuated from first below normal to then above normal. The first light frost hit the central area around mid-month, inflicting only minimal damage. The year ended with some 80 degree temperatures during the last week.

Rainfall continued limited during January and irrigation was quite active. The coolest weather of the season passed over the vegetable producing areas the last week of January. Winds accompanying the cold limited the frost damage as Florida vegetable crops dodged a bullet. February was cool, but with no freezing weather. There was, however, some leaf burn from the cool gusty winds that occurred throughout the month.

A late cold front during mid-March touched all major producing areas. Damage was patchy with some watermelon and sweet corn damage severe enough to necessitate replanting. Rain was very limited during March.

Mild weather prevailed for much of April and May. However, limited rainfall in the northern and Panhandle areas was causing considerable problems with many vegetable crops. Yields were seriously reduced and a number of counties submitted for disaster relief. The harvest of spring crops in the central and southern regions are active during this time period.

Typical summer weather, hot days and warm nights, best describes June. Harvest of spring crops was completed for most crops by the end of the month. Northern and Panhandle growers continued to harvest a relatively small acreage of assorted vegetables. The Gadsden County tomato crop continued to be picked into July.

Most of the weather data for this summary was supplied through the National Weather Service, U.S. Department of Commerce, Ruskin, Florida. Information on the effects of weather on crops was provided by the Florida Agricultural Statistics Service fieldmen.

SNAP BEANS
1987-88

Bush beans continue to be grown in most areas of the State. The southeastern area (Homestead and Pompano) is the major production area. Pole beans are grown primarily in Dade County, with small acreages in Gadsden and Marion counties and the west central area.

The State's growers produced 4.5 million bushels of snap beans for fresh and processing, up 200,000 bushels from a year earlier and the largest amount since the 1979-80 crop. Harvested acreage for both fresh and processed totaled 30,350 acres, down 11 percent from 1986-87, continuing a downward trend from the record acreage established during the 1979-80 season. A yield of 150 bushels per acre, for the fresh market crop, established a record for the second consecutive year. Processing yields averaged 134 bushels per acre, the highest since the 1978-79 crop and 34 bushels above that of a year ago.

The average f.o.b. price of $12.20 per bushel for fresh market beans, 74 cents higher than a year ago and the total value of $53.9 million, $4.4 million above last year, both established records for this crop. Processing beans averaged $3.17 per bushel, 21 cents above that of the previous year.

The first fall beans, as is usual, were picked in the west Florida area in September. This is about the time that planting was getting underway in the west central, southeast and Homestead areas. Warm weather prevailed throughout much of the fall growing season. However, strong winds and accompanying rain during October and November caused bloom loss and other related damage in many areas.

Harvest commenced in the Pompano area around mid-October, followed shortly thereafter by harvest in the Homestead and west central areas. Marketings increased into January, then fell off somewhat in February when only southeastern and Homestead growers were picking.

Winter crops remained in good condition throughout the season with only a minimum of adverse weather. Yields were especially good on this crop. Planting continued at a steady pace in these winter production areas and had resumed in the west central area by mid-February.

Weather continued to be conducive for good growth. However, a bit of cool weather during mid-and-late March did slow crop progress, primarily in the west central area. Otherwise, the weather was very accommodating to the spring crop. Volume increased gradually from the February dip to a seasonal peak in April, when most areas were in production, then tailed off to the end of the season in June, in the north.

CABBAGE
1987-88

Cabbage growers in Florida produced 6.6 million crates and bags of cabbage during the 1987-88 season, up 16 percent from the previous year. The gross value of sales was $29.6 million, up 13 percent from the $26.2 million value of last year's crop. The average f.o.b. price was $4.51 per crate or bag, down 11 cents from the $4.62 received for the 1986-87 crop. The increase in production from last year more than offset this decrease in price, thus, the increase in value.

Acreage planted totaled 17,100 acres, up slightly from th 6,600 acres planted during the 1986-87 season. Harvested acreage amounted to 15,600 acres. This was 17 percent more than last season. The average yield of 421 crates or bags per acre was down 6 bags from the previous season's average.

The Hastings area, which includes the three counties of Flagler, Putnam, and St. Johns, continued as the leading production area in the State. This area accounted for 48 percent of the State's production during the 1987-88 season. The leading cabbage producing county was St. Johns with 3,800 acres harvested, or 24 percent of the State's total.

Planting was underway by early September in the Hastings area and by the end of the month had become active in most all other production areas. A limited number of acres continues to be seeded directly rather than transplanted. The most active period for transplanting/seeding was October through December.

Harvest began around mid-November. Volume increased in each succeeding month through March. Cutting then tapered off to mid-June when the last cabbage was cut in Hastings. Fall production accounted for 8 percent of total production; winter production accounted for 56 percent, and spring production accounted for the remaining 36 percent.

Generally, weather was favorable for making a good crop in most all production areas. However, a cold front, the last week of January, brought freezing and near freezing weather to the Hastings area. Damage from this cold spell, and some disease problems which developed later in the season, reduced yields in that area. Also worth noting, some localized hail damage in late May, helped finish the season in that area.

CARROTS
1987-88

Florida growers produced 1,183 thousand hundredweight (118,300,000 pounds) of carrots for both the fresh and processing markets during the 1987-88 season, up 11 percent from the 1,065 thousand hundredweight produced last season. Carrots for fresh use accounted for 83 percent of production while processing use was 17 percent. This compares with 88 percent for fresh use and 12 percent for processing use during the 1986-87 season. About 15 percent of 1987-88 fresh market carrots were mini or finger carrots, compared with 16 percent for the previous season. The remaining 85 percent were regular type carrots marketed during the 1987-88 season.

Producers harvested 12,200 acres of carrots during 1987-88 from the 12,700 acres planted. Both planted and harvested acreages were up from the 12,600 acres planted and the 12,100 acres harvested in 1986-87. Growers received an average price of $11.40 per hundredweight in 1987-88, up 60 cents from the $10.80 per hundred pounds received in the previous season. The total value of carrots reached $13.5 million, up 17 percent from the $11.5 million received during the previous season. The increase in value and production can be attributed to a 900 pounds per acre increase in yield, from 8,800 pounds averaged last season to 9,700 pounds per acre for the 1987-88 season, and to slightly higher average prices.

Growers began fall crop seedings in August. Weekly planting schedules were followed with no major interruptions until mid-October when Tropical Storm Floyd delayed seedings slightly. Harvest of mini or finger carrots started during the middle of October from the muck soils around Lake Apopka near Zellwood, and around Fellsmere. Mini carrot digging began around late October in the Everglades' muck soils south of Lake Okeechobee. Regular type harvest commenced at the end of November in Zellwood and Fellsmere. Digging slowed during frosty weather in mid-February. Harvest was complete by the end of June.

CELERY
1987-88

Florida celery marketings of 5.98 million crates were down just slightly from the prior year. These marketings were harvested from 7,900 acres, the smallest acreage since the pre-war crop of 1939-40. The average yield of 757 crates per acre compares with 705 crates the previous year.

The Everglades, with 80 percent of the harvested acreage in the State, was the foremost area of production throughout the season. The north central area, supplemented by a light supply from the Sarasota area, accounted for the remaining 20 percent of acreage and provided continuous supplies with only a short break in early to mid-January.

The total value of the crop--$47.9 million--was 13 percent above a year ago but 1 percent below the most recent 5 year average.

The season average price, at $8.00 f.o.b. per crate, was 91 cents above the previous year. Prices for the 1987-88 season compared with the previous season, were lower for the first cuttings in November, increased in December to above a year earlier and continued above through February when prices fell to the lowest of the season. Prices improved again in April and continued above the previous year through the end of the season the last of June.

Plant bed preparation and seeding were in progress by mid-June in both major production areas. Transplanting was underway in August and became active by early September. Plantings in the Everglades were completed by the end of March. Plantings in the North Central area were interrupted the last 2 weeks in September, restarted and were complete by the end of April.

Light harvest began in early November in Zellwood, followed shortly thereafter by the Everglades. Weather was generally conducive for good growth. Growers planting schedules were, however, upset slightly in the Everglades, during November, by Tropical Storm Floyd. There was no significant damage from the occasional winter cold spells.

Production increased rapidly in November, then more gradually through May. Volume fell rapidly during June to the seasons conclusion at the end of the month.

Quality and size were mostly good throughout the season. Yields were the highest since the 1954-55 season when an average yield of 767 crates were cut. Approximately 11 percent of the crop was not harvested for various reasons. Growers passed some acreage in order to maintain good size and quality celery.

Celery is subject to a Federal marketing order administered by the Florida Celery Committee. Field supervisors provided the basic acreage and production data. In cooperation with the Celery Committee, these data are assembled into weekly, monthly, and annual reports and published in this Annual Summary.

CHINESE CABBAGE
1987-88

Chinese cabbage is grown primarily on the mucklands in the Zellwood and Everglades areas. The organic soils provide a very good medium for rapid growth. Harvest was underway by late October and had reached a good volume by early December. Supplies were generally steady through May, then tapered off to the end of the season around mid-June. Quality was generally good throughout the growing season. Shipments for 1987-88 totaled 209,000 crates compared with 210,000 crates a year earlier (see page 58).

SWEET CORN
1987-88

Florida growers produced 12 percent more fresh market sweet corn in the 1987-88 season than in the 1986-87 season. Production during 1987-88 totaled 12,812,000 crates compared with 11,466,000 crates produced in 1986-87. Harvested acreage totaled 55,300 acres for the 1987-88 season compared with 51,100 acres harvested the previous season. Yields averaged 232 crates per acre, up 8 crates from the 224 crates averaged per acre during the previous season.

Florida continued as the Nation's leading grower of fresh market sweet corn and led the Nation in value with production worth $71,551,000. The season average f.o.b. price of $5.58 per crate was 47 cents lower than the 1986-87 average of $6.05 per crate. Sweet corn ranked fourth in value of vegetables, melons, and strawberries produced in Florida, exceeded only by tomatoes, green peppers, and strawberries.

Plantings were underway in July for the fall Zellwood crop, while plantings got started for the Everglades in early September. Rains from Tropical Storm Floyd aided growth and development of sweet corn during mid-October in all southern areas, but slowed planting. Light harvest was underway in northern Peninsula areas and Zellwood at the end of September, and peaked during early November. The main crop harvest began in early November for the Everglades, while commercial crop plantings got underway in Dade County. Heavy rains during early November delayed crop maturation in the Everglades, and slowed seedings in Dade County. Zellwood harvest was virtually completed by mid-to-late November. Picking started in southeastern areas during early December with some mid-January yields lowered by heavy rains during the previous fall. The Everglades fall crop harvest was finished during mid-January.

Southeast growers began winter plantings after the holidays. Everglades spring crop seedings were underway by the first of February with frost in late-February burning some bottom leaves of young plants. Zellwood producers began spring crop plantings during mid-February. All areas received some frost damage in mid-to-late March.

Dade County harvest peaked during early to mid-April and was complete by the first of May. Everglades spring crop harvest started in mid-April and was virtually complete by mid-June. Zellwood producers began harvest in early May with southeastern growers finishing by mid-May. Northern and north central producers started initial light harvest during early June with supplies available until early July.

CUCUMBERS
1987-88

Florida's production of cucumbers for fresh market during the 1987-88 crop year totaled 5.7 million bushels, up 9 percent from the year before. The 15,600 acres planted for fresh market was down 1,600 acres from the previous year. Acres harvested for fresh market totaled 14,850 acres, down 1,250 acres from a year earlier. Acreage harvested for fresh market yielded 385 bushels per acre, up 61 bushels from the previous season and the highest of record, exceeding the previous high of 326 bushels for the 1984-85 crop. Total fresh market production was valued at a record high $54.8 million, a 12 percent increase from the previous record established a year earlier. This is explained by the record high average price of $9.58 per bushel.

Supplies in 1987-88 were generally available from October through June and into early July. Limited supplies were available from January through March. Many of the recorded shipments moving out-of-State, during this time period, were from offshore and truck imports resold in mixed loads.

Monthly prices for the 1987-88 fall crop, with the exception of the very early cucumbers, were generally higher than a year earlier. Prices fell below a year earlier in January and February but rebounded to the highest average monthly price of the year in March. Prices held above the previous year during April, then fell below for the remainder of the season.

Cucumber acreage is well distributed across the State. The southwest area, with 30 percent of the planted acreage is followed closely by the southeastern area. The west central area accounted for 26 percent of the planted acres in the State. The west and north central areas provided the remainder of the acreage.

Harvest of the fall crop got underway in the west central area by late September and was up to a good volume by mid-October. By early October, cucumbers were also being picked in the north central and Pompano areas. Harvest was underway in the southwest by early November. Volume peaked during November with all areas in production. By late November, the season was winding down in the west central area and volume from the Pompano area was declining also. The southwest crop reached its peak in mid-December. Weather conditions were variable but generally good throughout the season.

Planting of the spring crop was active during early January through March. For the second year in a row, there was no freeze. However, strong, cold winds buffeted the crop from time to time. Cucumbers are quite susceptible to damage from this sort of weather, therefore, crop condition was lowered anytime such weather occurred. The southwest and Pompano areas continued to furnish limited supplies of cukes throughout the winter months. Dade County growers harvested mostly for the local market during this time period.

Harvest was underway on the spring crop, by late March, in the southwest and Pompano areas. Prices were especially attractive on the early spring crop. The west central area commenced harvest around mid-April. Volume continued to increase through April, peaking in May. The northern area harvest was underway by mid-May, about the time southwest growers were finishing. Some hail damage to this crop reduced yields. Pompano was finished by early June, followed shortly thereafter by the west central and north central areas.

EGGPLANT
1987-88

Plantings totaled 2,200 acres, down 200 acres from the 1986-87 season. Yields were also down, averaging 668 bushels per acre, compared with 689 bushels for the previous season. Therefore, production was down from the previous year by some 11 percent. However, total value of production was a record high $10.3 million, up from the previous record of $9.6 million a year earlier. This record was due entirely to another record established for this crop - the season average price of $7.31 per bushel. This price was $1.23 per bushel higher than the previous high set a year earlier. Compared with a year earlier, monthly prices were higher from October through April and lower from May through July.

Weather during the fall season was generally favorable. Some lingering hot weather through most of September slowed crop growth in the Pompano area. Yields were above normal for the fall season. Winter weather, with the exception of an occasional cold snap, was generally favorable also. However, insect problems were at best bothersome throughout the winter and spring seasons in southern production areas. Droughty weather over the northern areas reduced yields during the spring season. The last eggplant were picked in early July in the northern area.

The distribution of marketings was generally normal. Harvest began in late September, reached a peak in November and dropped during the winter. Harvest began to increase in April and reached a peak in May. Harvest was virtually complete by early July. The southeastern area around Pompano/Delray continued to account for just under half of the harvested acreage. The northern and central areas combined contributed just over one-third of the acreage harvested with the remaining acreage located in the southwest.

Production is generally continuous throughout the entire crop year in the southeast and southwest. The crops in the western, northern, and central areas are for fall and spring harvest only because the possibility of freezing weather is too great during the winter months.

First sales were from cuttings in the western and northern areas in late September. Harvest followed the usual pattern and progressed southward in the fall, continued through the winter in the southern areas, and then moved back northward in the spring.

ESCAROLE-ENDIVE
1987-88

Production of escarole and endive during the 1987-88 season totaled 2.6 million crates, up 5 percent from a year earlier. This reflects the highest yields since the 1974-75 season which more than offset a 400 acre reduction (from 5,100 to 4,700) in harvested acreage.

Prices during the season averaged $4.90 per crate, compared with $4.96 of a year earlier. The total value of sales, at $12.6 million, was 4 percent above the previous year. The Everglades, which had 72 percent of the harvested acreage in the 1987-88 season, began seeding in late August. Weekly planting schedules continued through March. Light harvest got underway the last week of October. Supplies were continuous through May. The planting of a small crop in the muckland around Zellwood got underway also in late August and provided supplemental supplies throughout the fall months. Most of Zellwood's acreage was grown during the spring and provided a good volume, especially in the late spring months when the Everglades season was winding down. A small acreage grown around the Lake Placid and Sarasota mucklands also furnished supplemental supplies during much of the season.

Sales started slowly in late October and increased to a good volume by November. Marketings reached peak levels in the December through April period. Sales were complete for the season by the first week in June, with the last cuttings coming from the Zellwood area.

Growing conditions, as the high yields can attest to, were mostly favorable throughout the season. Once again, the winter was freeze free with minimal frosts inflicting little or no damage.